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Publons / Web Of Science ResearcherID: ABD-7822-2020

ScopusID: 8893348400

Yoksis Araştırmacı ID: 151728

Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, Türkiye 2005 - 2010

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, Türkiye 2002 - 2005

Lisans, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Türkiye 1995 - 2001

Yabancı Diller

İngilizce

Yaptığı Tezler

Doktora, Preparation of acrylate and sulfonamide based polymeric sorbents for separation of biomolecules, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 2010

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Araştırma Alanları

Kimya, Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2022 - Devam Ediyor

Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2018 - 2022

Öğretim Görevlisi Dr., İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2014 - 2015

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, Fen-Edebiyat, Kimya, 2003 - 2014

- I. **Urethane- and urea-modified polymeric sorbents enable efficient and selective removal of mercury(II) from water**
Buğdaycı T., Bektaş S., Akgül E. T., Korkmaz B., Yavuz E., Şenkal B. F.
Polymer Bulletin, cilt.80, sa.11, ss.12079-12102, 2023 (SCI-Expanded)
- II. **Emulsion-Templated Porous Polymers for Efficient Dye Removal**
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- III. **A new multi-hydroxyl methacrylate based adsorbent for boron removal from aqueous solutions**
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- IV. **Impedance spectroscopy of polyaniline coated hydrogel**
OKUTAN M., Yavuz E., ÖZEROL E., Şenkal B. F., Yalcin O., Yıldız A.
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- V. **Hierarchically Porous High-Surface-Area Polymers with Interconnected Pores for Fast and Selective Albumin Adsorption**
Suslukaya M., Mumcu Topaloğlu H., Gül Karagüler N., Yavuz E.
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- VI. **Functionalization of gum arabic including glycoprotein and polysaccharides for the removal of boron**
Duran H., Yavuz E., Sismanoglu T., Senkal B. F.
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- VII. **Acid and base catalysed reactions in one pot with site-isolated polyHIPE catalysts**
Yavuz E., Cherkasov N., Degirmenci V.
RSC ADVANCES, cilt.9, sa.15, ss.8175-8183, 2019 (SCI-Expanded)
- VIII. **Preparation of poly(acrylamide) grafted onto crosslinked poly (HEMA-MMA-EGDMA) beads for the removal of phenol**
Usta H., Bildik F., Yavuz E., Turan G. T., Şenkal B. F.
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- IX. **Preparation of crosslinked quaternary amide-sulfonamide resin for removal of mercury ions from aqueous solutions**
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- X. **Modification of poly(glycidyl methacrylate) grafted onto crosslinked PVC with iminopropylene glycol group and use for removing boron from water**
Yavuz E., Gürsel Y., SENKAL B. F.
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- XI. **Preparation of Sulfonamide Containing Cellulose Based Sorbent for Removal of Mercury Ions**
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- XII. **Preparation of poly (acrylic acid) containing core-shell type resin for removal of basic dyes**
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- XIII. **Preparation of Dicarboxylic Acid Containing Sulfonamide Based Resin and Removal of Basic Dyes**
Yavuz E., TEKIN E. T., Kandaz M., Şenkal B. F.
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- XIV. **Preparation of the Sulfonamide Containing Block Copolymer as Polymeric Sorbent for Removal of Mercury from Aqueous Solutions**
Gürsel Y., YAVUZ E., GOKAY G., Şenkal B. F.
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- XV. **Thiol Containing Sulfonamide Based Polymeric Sorbent for Mercury Extraction**
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- JOURNAL OF APPLIED POLYMER SCIENCE, cilt.114, sa.3, ss.1879-1883, 2009 (SCI-Expanded)
- XVI. Poly(vinylbenzylchloride) Beads Grafted with Polymer Brushes Carrying Hydrazine Ligand for Reversible Enzyme Immobilization**
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- XVII. Glycidyl methacrylate grafted on p(VBC) beads by SI-ATRP technique: Modified with hydrazine as a salt resistance ligand for adsorption of invertase**
Bayramoglu G., YAVUZ E., Şenkal B. F., Arica M. Y.
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- XVIII. Poly(glycidylmethacrylate) brushes generated on poly(VBC) beads by SI-ATRP technique: Hydrazine and amino groups functionalized for invertase adsorption and purification**
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- XIX. Preparation of pyridine sulphonamide resin for the removal of dyes from aqueous solutions**
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- XX. Preparation of poly(glycidyl methacrylate) grafted sulfonamide based polystyrene resin with tertiary amine for the removal of dye from water**
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- XXI. The synthesis of new polymeric sorbent and its application in preconcentration of cadmium and lead in water samples**
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- XXII. Sulfonamide based polymeric sorbents for selective mercury extraction**
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- XXIV. Removal of dyes from water by poly(vinyl pyrrolidone) hydrogel**
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- XXV. Crosslinked poly(glycidyl methacrylate)-based resin for removal of mercury from aqueous solutions**
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- XXVI. Ureasulfonamide polymeric sorbent for selective mercury extraction**
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- XXVII. Preparation of a new polymeric surfactant for emulsion polymerization**
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- XXVIII. Poly(acrylamide) grafts on spherical polyvinyl pyridine resin for removal of mercury from aqueous solutions**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **PREPARATION OF POLY (N-[TRIS (HYDROXYMETHYL) METHYL] ACRYLAMIDE-CO-1-VINYL IMIDAZOLE-CO-EGDMA) (THMMA-CO-VIM-CO-EGDMA) BASED HYDROGEL FOR REMOVAL OF BORON FROM AQUEOUS SOLUTIONS**
ŞENKAL B. F., çiftçi s. n., TEKNECİ E., YAVUZ E.
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- II. **Use of Polymeric Sorbents to Remove Boron from Aqueous Solutions**
ŞENKAL B. F., TORUNOĞLU TURAN G., YAVUZ E., ersoy a.
Adsorpsiyon - Elektrodializ Hibrit Prosesiyle Jeotermal Sulardan Lityum ve Bor Kazanılması / Lithium and Boron Recovery from Geothermal Water Using Hybrid Process Combining Adsorption and Electrodialysis, 11 Eylül 2017
- III. **Modification of multiple amide functions onto crosslinked poly (vinyl benzyl chloride (PVBC)-co-(Ethylene glycole dimethacrylate) (EGDMA)) resin for removal of phenol**
bildik f., ŞİŞMANOĞLU Z. T., YAVUZ E., ŞENKAL B. F.
IWA 2nd Regional Symposium on Water, Wastewater and Environment, 22-24 March, 2017 in Çesme-Izmir, Turkey., 22 - 24 Mart 2017
- IV. **Removal of phenol from aqueous solution by using polymer modified nanoclay**
YILDIZ G., YAVUZ E., TEKNECİ E., ŞENKAL B. F.
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- V. **NATURAL RESIN FUNCTIONALIZED HOLLOW SILICA SPHERE BIONANOCOMPOSITE MATERIAL FOR ADSORPTION**
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- VI. **MODİFİKATÖN OF MULTİPLE AMİDEFUNKTÖNS ONTO CROSSLİNKED POLY (VİNYL BENZİL KLORİDE (PVBC)-CO-(ETHYLENE GLYCOLEDİMETHACRYLATE) (EGDMA)) RESİN FOR REMOVAL OF PHENOL**
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- VII. **PREPARATION OF POLY 2 ACRYLAMIDO 2 METHYLPROPANE SULFONIC ACID AMPS GRAFTED ONTO CROSSLINKED POLY VINYL BENZYL CHLORIDE RESIN FOR REMOVAL OF ATRAZINE FROM WATER**
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- VIII. **A NEW POLYMERIC SORBENT FOR REMOVAL OF MERCURY IONS FROM AQUEOUS SOLUTIONS**
YAVUZ E., çokgez i., ŞENKAL B. F.
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- IX. **Preparation of the Poly(styrene) Based Imidazole Containing Quaternary Chloroacetamide Modified Sorbent for Removal of Phenol**
Bildik F., Yavuz E., SİSMANOĞLU T., Şenkal B. F.
15th International Conference on Polymers and Organic Chemistry (POC), Timisoara, Romanya, 10 - 13 Haziran 2014, cilt.352, ss.66-71
- X. **Removal of boron from Aqueous solution by using sorbitol containing polymer modified bentonite**
YAVUZ E., EREL Z. E., TORUNOĞLU TURAN G., GÜRSEL Y., ŞENKAL B. F.
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- XI. **Hypercrosslinked PolyHIPE supported L proline Efficient Catalyst for Stereoselective Aldol Reactions**
Cameron N., YAVUZ E.
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- XII. **Removal of Methylene Blue from Aqueous Solution by Using Polymer Modified Bentonite**
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- XIII. **Grafting of Polyacrylamide onto clay for selective removal of Hg²⁺ ion from water**
YAVUZ E., Barım G., ÇELİK M. S., ŞENKAL B. F.
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- XIV. **Synthesis of ABA type hydrogen bonded liquid crystalline block copolymer**
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- XV. **The Synthesis of sulfonamide based polymeric sorbents for selective removal of mercury from water**
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- XVI. **Preparation of polyacrylamide hydrogel for removal of mercury ions**
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- XVII. **Removal of cationic dyes from water by poly 2 acrylamido 2 methyl 1 propanesulfonic acid hydrogel**
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- XVIII. **Removal of acidic dyes from water using crosslinked ethyl piperazine resin**
YAVUZ E., ŞENKAL B. F.
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- XIX. **İyon değiştirici ligand olarak fonksiyonel hidrazin taşıyan kürelerin atom transfer radikal polimerizasyon tekniği ile hazırlanması ve ham maya özütünden invertaz saflaştırılması işleminde kullanılması**
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IV. Ulusal Analitik Kimya Kongresi, Elazığ, Türkiye, 25 - 27 Haziran 2008
- XX. **Thiol containing sulfonamide based polymeric sorbent for mercury extraction**
YAVUZ E., ŞENKAL B. F.
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- XXI. **Investigation of emulsion polymerization of vinyl pyrrolidone with ionic liquid**
SARAÇ A., ŞENKAL B. F., GÜRSEL Y., YAVUZ E.
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- XXII. **ATRP tekniği ile yüzeyde fonksiyonel iplikçik taşıyan afinite kürelerin sentezlenmesi ve uygulanması**
YAVUZ E., ŞENKAL B. F., BAYRAMOĞLU G., ARICA M. Y.
3. Ulusal Afinite Teknikleri Kongresi, Bursa, Türkiye, 12 Eylül - 17 Ağustos 2007
- XXIII. **Tiyoüre fonksiyonlu çapraz bağlı polistiren reçinenin sentezi ve ağır metal iyonlarının giderilmesinde kullanılması**
YAVUZ E., ŞENKAL B. F., Ince M., YAMAN M.
VII. Ulusal Kromatografi Kongresi, Kırıkkale, Türkiye, 13 - 15 Haziran 2007
- XXIV. **Emulsion polymerization of different monomers with using n methyl glucamine containing polymeric surfactant**
Erkal D., ŞENKAL B. F., SARAÇ A., YAVUZ E.
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- XXV. **Acetylsulfonamide based polymeric sorbent for selective mercury extraction**
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- XXVI. **Removal of dyes from water by polyvinyl imidazole hydrogel**
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- XXVII. **Removal of Dyes from Water by Polyvinyl pyrrolidone Hydrogel**
YAVUZ E., Erkal D., ŞENKAL B. F.
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- XXVIII. **Crosslinked poly glycidyl methacrylate based resin for selective removal of mercury ions from aqueous solution**
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11th International Conference on Polymers and Organic Chemistry, PRAG, Çek Cumhuriyeti, 18 - 23 Temmuz 2004
- XXIX. **Poly acrylamide grafts on spherical polyvinyl pyridine resin for removal of mercury from aqueous solutions**
YAVUZ E., ŞENKAL B. F.
11th International Conference on Polymers and Organic Chemistry, PRAG, Çek Cumhuriyeti, 18 - 23 Temmuz 2004

Desteklenen Projeler

- Şenkal B. F., Yavuz E., Yıldız G., Tekneci E., Korkmaz B., Yükseköğretim Kurumları Destekli Proje, Zararlı katyonların sulu ortamlardan uzaklaştırılması için çapraz bağlı fonksiyonel polimerlerin ve polimer kompozitlerinin hazırlanması, 2019 - 2023
- Yavuz E., Akgül E., Korkmaz B., Yükseköğretim Kurumları Destekli Proje, Yüksek yüzey alanlı ve gözenek hacimli polimerik adsorbentler: Reaktif boyaların ve ağır metallerin giderilmesinde kullanılmaları, 2020 - 2022
- Yavuz E., Süslükaya M., Yükseköğretim Kurumları Destekli Proje, HIZLI VE SEÇİCİ ALBÜMİN ADSORPSİYONU İÇİN HİYERARŞİK VE BİRBİRİNE BAĞLI GÖZENEK YAPISINA SAHİP OLAN YÜKSEK YÜZEY ALANLI POLİMERLER, 2020 - 2021
- Yavuz E., Yükseköğretim Kurumları Destekli Proje, Güneş Pillerinde Kullanılacak Gözenekli Polimerlerin Hazırlanması ve Uygulamaları, 2014 - 2021
- Yavuz E., Yükseköğretim Kurumları Destekli Proje, Fenol Giderilmesi için Polistirilen Bazlı Kuaterner Kloroasetamid Fonksiyonlu Adsorbentin Hazırlanması, 2015 - 2018
- Yavuz E., Yükseköğretim Kurumları Destekli Proje, Polianilin Kaplı Hidrojelin Hazırlanması ve Boya Giderilmesinde Kullanılması, 2014 - 2018
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Metrikler

- Yayın: 58
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