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Eğitim Bilgileri

Doktora, Tulane University, Chemical And Biomolecular Engineering , Amerika Birleşik Devletleri 2001 - 2005

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, Türkiye 1994 - 1997

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği, Türkiye 1989 - 1994

Yabancı Diller

İngilizce, C2 Ustalık

Yaptığı Tezler

Doktora, Hydrogels with Tunable Size, Structure and Properties for Applications in Bio- and Nanotechnology, Tulane University, Chemical And Biomolecular Engineering, Nano Materials, 2005

Yüksek Lisans, Amidoksim Esaslı Polimerik Ağ Yapıların Hazırlanması ve Uranil İyonu Tutulmasında Kullanılması, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü , Kimya, 1997

Araştırma Alanları

Kimya, Fizikokimya, Polimer Kimyada Yeni Teknolojiler, Polimerik Malzemeler, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Çanakkale Onsekiz Mart Üniversitesi, Fen Fakültesi, Kimya, 2015 - Devam Ediyor

Yrd.Doç.Dr., Çanakkale Onsekiz Mart Üniversitesi, Fen Fakültesi, Kimya, 2007 - 2009

Diğer, Tulane University, Chemical And Biomolecular Engineering, Chemistry, 2006 - 2007

Diğer, University of Delaware, Materials Science & Engineering, Chemistry, 2005 - 2006

Araştırma Görevlisi, Tulane University, Chemical And Biomolecular Engineering, Chemistry, 2001 - 2005

- I. **Modifying wetting properties of PI Film: The impact of surface texturing and CF₄ and O₂ plasma treatment**
Aktas C., Bhethanabotla V., Ayyala R. S., ŞAHİNER N.
Applied Surface Science, cilt.656, 2024 (SCI-Expanded)
- II. **Phosphazene-based covalent organic polymers as metal-free catalysts with improved H₂ generation from NaBH₄ in methanol with superior catalytic activity and re-generation ability**
Demirci S., Yildiz M., ŞAHİNER N.
Journal of Environmental Chemical Engineering, cilt.12, sa.2, 2024 (SCI-Expanded)
- III. **Highly re-usable porous carbon-based particles as adsorbents for the development of CO₂ capture technologies**
Ari B., Sunol A. K., ŞAHİNER N.
Journal of CO₂ Utilization, cilt.82, 2024 (SCI-Expanded)
- IV. **Amine-modified halloysite nanotube embedded PEI cryogels as adsorbent nanoarchitectonics for recovery of valuable phenolic compounds from olive mill wastewater**
Demirci S., Suner S. S., YILMAZ S., Bagdat S., Tokay F., ŞAHİNER N.
Applied Clay Science, cilt.249, 2024 (SCI-Expanded)
- V. **Fluorescent Graphitic Carbon Nitride (g-C₃N₄)-Embedded Hyaluronic Acid Microgel Composites for Bioimaging and Cancer-Cell Targetability as Viable Theragnostic**
SUNER S. C., ŞAHİNER M., Demirci S., UMUT E., ŞAHİNER N.
Pharmaceuticals, cilt.17, sa.2, 2024 (SCI-Expanded)
- VI. **Super porous α -, β -, γ -cyclodextrin cryogels with high active agent loading and controllable release profiles**
YILMAZ S., ŞAHİNER N.
Journal of Applied Polymer Science, cilt.141, sa.3, 2024 (SCI-Expanded)
- VII. **Cell Staining Microgels Derived from a Natural Phenolic Dye: Hematoxylin Has Intriguing Biomedical Potential**
ŞAHİNER M., Sunol A. K., ŞAHİNER N.
Pharmaceutics, cilt.16, sa.1, 2024 (SCI-Expanded)
- VIII. **B, P, and S heteroatom doped, bio- and hemo-compatible 2D graphitic-carbon nitride (g-C₃N₄) with antioxidant, light-induced antibacterial, and bioimaging endeavors**
Demirci S., Suner S. S., Neli O. U., KOCA A., ŞAHİNER N.
Nanotechnology, cilt.35, sa.2, 2023 (SCI-Expanded)
- IX. **Water Dynamics in Dextran-Based Hydrogel Micro/Nanoparticles Studied by NMR Diffusometry and Relaxometry**
UMUT E., Beira M. J., ÖZTOP H. M., ŞAHİNER N., Sebastião P. J., Kruk D.
The journal of physical chemistry. B, cilt.127, sa.41, ss.8950-8960, 2023 (SCI-Expanded)
- X. **Rapid Pathogen Purge by Photosensitive Arginine-Riboflavin Carbon Dots without Toxicity**
SUNER S. C., Bhethanabotla V. R., Ayyala R. S., ŞAHİNER N.
Materials, cilt.16, sa.19, 2023 (SCI-Expanded)
- XI. **ESI-IM-MS characterization of cyclodextrin complexes and their chemically cross-linked alpha (α -), beta (β -) and gamma (γ -) cyclodextrin particles as promising drug delivery materials with improved bioavailability**
YILMAZ S., Ozturk S., SALİH B., Ayyala R. S., ŞAHİNER N.
Colloids and Surfaces B: Biointerfaces, cilt.230, 2023 (SCI-Expanded)
- XII. **Carboxymethyl Chitosan Microgels for Sustained Delivery of Vancomycin and Long-Lasting Antibacterial Effects**
ŞAHİNER M., Yilmaz A. S., Ayyala R. S., ŞAHİNER N.
Gels, cilt.9, sa.9, 2023 (SCI-Expanded)
- XIII. **Poly(2-aminoethyl methacrylate) based microgels catalyst system to be used in hydrolysis and methanolysis of NaBH₄ for H₂ generation**
Demirci S., SÜTEKİN S. D., Guven O., ŞAHİNER N.

International Journal of Hydrogen Energy, cilt.48, sa.60, ss.23002-23012, 2023 (SCI-Expanded)

- XIV. **Super-Macroporous Pullan Cryogels as Controlled Active Delivery Systems with Controlled Degradability**
Ari B., Sahiner M., Sağbaş Suner S., Demirci S., Sahiner N.
Micromachines, cilt.14, sa.7, 2023 (SCI-Expanded)
- XV. **Alpha-Glucosidase Enzyme Immobilized Dextran-Co Metal Nanoparticle Cryogel Composite Systems as Dual Catalyst with Enhanced Stability and Catalytic Activity**
Demirci S., ŞAHİNER N.
ChemCatChem, cilt.15, sa.11, 2023 (SCI-Expanded)
- XVI. **A simple gradient centrifugation method for bacteria detection in skim milk**
Rodoplu Solovchuk D., BOYACI İ. H., TAMER U., ŞAHİNER N., ÇETİN D.
Microchemical Journal, cilt.189, 2023 (SCI-Expanded)
- XVII. **Biocompatible Glycol Chitosan Microgels as Effective Drug Carriers**
ŞAHİNER M., YILMAZ S., Ayyala R. S., ŞAHİNER N.
Gels, cilt.9, sa.5, 2023 (SCI-Expanded)
- XVIII. **Force-Based Characterization of the Wetting Properties of LDPE Surfaces Treated with CF₄ and H₂ Plasmas**
Aktas C., Polat O., Beitollahpoor M., Farzam M., Pesika N. S., ŞAHİNER N.
Polymers, cilt.15, sa.9, 2023 (SCI-Expanded)
- XIX. **Carbon Tetrafluoride, Oxygen, and Air RF Plasma Modified Low-Density Polyethylene and Polydimethylsiloxane**
Polat O., Bhethanabotla V. R., Ayyala R. S., ŞAHİNER N.
Plasma Chemistry and Plasma Processing, cilt.43, sa.3, ss.737-756, 2023 (SCI-Expanded)
- XX. **Physically Crosslinked Chondroitin Sulfate (CS)–Metal Ion (M: Fe(III), Gd(III), Zn(II), and Cu(II)) Particles for Versatile Applications and Their Biosafety**
SUNER S. C., ŞAHİNER M., UMUT E., Ayyala R. S., ŞAHİNER N.
Pharmaceuticals, cilt.16, sa.4, 2023 (SCI-Expanded)
- XXI. **Low-pressure plasma treated polycarbonate and polymethyl methacrylate (PMMA) sheets with different surface patterns to change their surface properties**
Gizer S. G., Bhethanabotla V. R., Ayyala R. S., Şahiner N.
Surfaces and Interfaces, cilt.1, ss.102646, 2023 (SCI-Expanded)
- XXII. **Removal of Cd(II), Co(II), Cr(III), Ni(II), Pb(II) and Zn(II) ions from wastewater using polyethyleneimine (PEI) cryogels**
Bagdat S., Tokay F., Demirci S., YILMAZ S., ŞAHİNER N.
Journal of Environmental Management, cilt.329, 2023 (SCI-Expanded)
- XXIII. **Biofouling and Mitigation Methods: A Review**
Gizer G., Önal U., Ram M., Şahiner N.
Biointerface Research in Applied Chemistry, cilt.13, sa.2, ss.185, 2023 (SCI-Expanded)
- XXIV. **Physically and Chemically Crosslinked, Tannic Acid Embedded Linear PEI-Based Hydrogels and Cryogels with Natural Antibacterial and Antioxidant Properties**
Şahiner M., Yilmaz A. S., Demirci Ş., Şahiner N.
BIOMEDICINES, cilt.11, sa.3, ss.706, 2023 (SCI-Expanded)
- XXV. **Poly(Glycerol) Microparticles as Drug Delivery Vehicle for Biomedical Use**
ŞAHİNER M., Yilmaz A. S., Ayyala R. S., ŞAHİNER N.
Pharmaceutics, cilt.15, sa.2, 2023 (SCI-Expanded)
- XXVI. **A Review on Phyto-Therapeutic Approaches in Alzheimer's Disease**
ŞAHİNER M., YILMAZ S., GÜNGÖR B., ŞAHİNER N.
Journal of Functional Biomaterials, cilt.14, sa.1, 2023 (SCI-Expanded)
- XXVII. **Thermo-responsive macroporous p(NIPAM) cryogel affords enhanced thermal stability and activity for a-glucosidase enzyme by entrapping in situ**
Demirci S., ŞAHİNER N.

- CANADIAN JOURNAL OF CHEMICAL ENGINEERING, cilt.100, sa.12, ss.3575-3587, 2022 (SCI-Expanded)
- XXVIII. **Light-Activated Modified Arginine Carbon Dots as Antibacterial Particles**
SAĞBAŞ SUNER S., ŞAHİNER M., YILMAZ S., Ayyala R. S., ŞAHİNER N.
CATALYSTS, cilt.12, sa.11, 2022 (SCI-Expanded)
- XXIX. **A comparison study about antibacterial activity of zeolitic imidazolate frameworks (ZIFs) prepared with various metal ions**
Demirci S., Yildirim Y., ŞAHİNER N.
Inorganica Chimica Acta, cilt.542, 2022 (SCI-Expanded)
- XXX. **The synthesis and characterization of PTCDA-Co(II), and PTCDA-La(III) fluorescent MOFs**
Demirci S., Gizer G., Polat O., Ram M. K., ŞAHİNER N.
INORGANICA CHIMICA ACTA, cilt.542, 2022 (SCI-Expanded)
- XXXI. **Recent developments in CO₂ capture, utilization, related materials, and challenges**
Gizer S. G., Polat O., Ram M. K., Sahiner N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.12, ss.16241-16263, 2022 (SCI-Expanded)
- XXXII. **Therapeutic and Nutraceutical Effects of Polyphenolics from Natural Sources**
ŞAHİNER M., Yılmaz A. S., GÜNGÖR B., Ayoubi Y., ŞAHİNER N.
MOLECULES, cilt.27, sa.19, 2022 (SCI-Expanded)
- XXXIII. **Label-Free Surface Enhanced Raman Spectroscopy for Cancer Detection**
Avci E., Yılmaz H., Sahiner N., TUNA B. G., Cicekdal M. B., Eser M., Basak K., Altintoprak F., Zengin I., DOĞAN S., et al.
CANCERS, cilt.14, sa.20, 2022 (SCI-Expanded)
- XXXIV. **Polyelectrolyte Chondroitin Sulfate Microgels as a Carrier Material for Rosmarinic Acid and Their Antioxidant Ability**
ŞAHİNER M., SAĞBAŞ SUNER S., YILMAZ S., ŞAHİNER N.
POLYMERS, cilt.14, sa.20, 2022 (SCI-Expanded)
- XXXV. **Enhanced Bioactive Properties of Halloysite Nanotubes via Polydopamine Coating**
Şahiner M., Demirci S., Şahiner N.
POLYMERS, cilt.14, sa.20, ss.1-14, 2022 (SCI-Expanded)
- XXXVI. **P(HMA-co-ATU) hydrogel synthesis via gamma radiation and its use for in situ metal nanoparticle preparation and as catalyst in 4-nitrophenol reduction**
Güven O., Demirci S., SÜTEKİN S. D., Ari B., ŞAHİNER N.
RADIATION PHYSICS AND CHEMISTRY, cilt.198, 2022 (SCI-Expanded)
- XXXVII. **Poly(vinyl amine) microparticles derived from N-Vinylformamide and their versatile use**
Demirci S., SÜTEKİN S. D., Kurt S. B., Güven O., ŞAHİNER N.
POLYMER BULLETIN, cilt.79, sa.9, ss.7729-7751, 2022 (SCI-Expanded)
- XXXVIII. **Recent development in solar-driven photocatalytic hydrogen production utilizing g-C₃N₄**
Polat O., Sahiner N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.46, sa.11, ss.14587-14608, 2022 (SCI-Expanded)
- XXXIX. **Biofilm inhibition and bacterial eradication by C-dots derived from polyethyleneimine-citric acid**
Abraham W. L., Demirci S., Wypyski M. S., Ayyala R. S., Bhethanabotla V. R., Lawson L. B., Sahiner N.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.217, 2022 (SCI-Expanded)
- XL. **Degradable poly(catechin) nanoparticles as a versatile therapeutic agent**
SUNER S. C., ŞAHİNER M., Mohapatra S., Ayyala R. S., Bhethanabotla V. R., ŞAHİNER N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, cilt.71, sa.14, ss.1104-1115, 2022 (SCI-Expanded)
- XLI. **Titanium platelet-rich fibrin (T-PRF) as high-capacity doxycycline delivery system**
Ercan E., Suner S. C., Silan C., Yılmaz S., Sıddıkoğlu D., Şahiner N., Tunali M.
Clinical Oral Investigations, cilt.26, sa.8, ss.5429-5438, 2022 (SCI-Expanded)
- XLII. **Synthesis and Characterization of a New Cryogel Matrix for Covalent Immobilization of Catalase**
Altunbas C., ASLAN A., KUŞAT K., ŞAHİNER M., AKGÖL S., ŞAHİNER N.
GELS, cilt.8, sa.8, 2022 (SCI-Expanded)
- XLIII. **Degradable and Non-Degradable Chondroitin Sulfate Particles with the Controlled Antibiotic Release**

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Suner S., ŞAHİNER M., Ayyala R. S., ŞAHİNER N.
PHARMACEUTICS, cilt.14, sa.8, 2022 (SCI-Expanded)

- XLIV. **Polymeric ionic liquid forms of PEI microgels as catalysts for hydrogen production via sodium borohydride methanolysis**
Demirci S., Suner S., Yıldız M., Sahiner N.
JOURNAL OF MOLECULAR LIQUIDS, cilt.360, 2022 (SCI-Expanded)
- XLV. **Superporous poly(?-Cyclodextrin) cryogels as promising materials for simultaneous delivery of both hydrophilic and hydrophobic drugs**
Ari B., Demirci S., Ayyala R. S., SALİH B., ŞAHİNER N.
EUROPEAN POLYMER JOURNAL, cilt.176, 2022 (SCI-Expanded)
- XLVI. **Thiourea-Isocyanate-Based Covalent Organic Frameworks with Tunable Surface Charge and Surface Area for Methylene Blue and Methyl Orange Removal from Aqueous Media**
SUNER S. C., Demirci S., SÜTEKİN S. D., YILMAZ S., ŞAHİNER N.
Micromachines, cilt.13, sa.6, 2022 (SCI-Expanded)
- XLVII. **Beaded chitosan/carrageenan based fiber with bio-medicinal application potentials**
Kurt S. B., ŞAHİNER N.
JOURNAL OF POLYMER RESEARCH, cilt.29, sa.5, 2022 (SCI-Expanded)
- XLVIII. **Polyethyleneimine based Cerium(III) and Ce(NO₃)₃ metal-organic frameworks with blood compatible, antioxidant and antimicrobial properties**
Demirci S., ŞAHİNER N.
Inorganica Chimica Acta, cilt.534, 2022 (SCI-Expanded)
- XLIX. **One step synthesis of an amino acid derived particles, poly(L-Arginine) and its biomedical application**
ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.33, sa.3, ss.831-842, 2022 (SCI-Expanded)
- L. **pH-Responsive Amphoteric p (APTMACI-co-AMPS) Hydrogel as Effective Multiple Dye Sponge Network From Aqueous Media**
Demirci S., Ari B., Aktaş N., ŞAHİNER N.
FRONTIERS IN MATERIALS, cilt.9, 2022 (SCI-Expanded)
- LI. **Colloidal bioactive nanospheres prepared from natural biomolecules, catechin and L-lysine**
Can M., ŞAHİNER M., ŞAHİNER N.
JOURNAL OF POLYMER RESEARCH, cilt.29, sa.3, 2022 (SCI-Expanded)
- LII. **Trimesic Acid-Based Co(II) MOFs as Colorimetric Sensor for Detection of Ammonia Gas**
Sotirov S., Demirci S., Marudova M., ŞAHİNER N.
IEEE SENSORS JOURNAL, cilt.22, sa.5, ss.3903-3910, 2022 (SCI-Expanded)
- LIII. **Biocompatible poly(galacturonic acid) micro/nanogels with controllable degradation via tunable chemical crosslinking**
SUNER S. C., Ari B., SÜTEKİN S. D., ŞAHİNER N.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.201, ss.351-363, 2022 (SCI-Expanded)
- LIV. **Hyaluronic acid (HA)-Gd(III) and HA-Fe(III) microgels as MRI contrast enhancing agents**
ŞAHİNER N., UMUT E., Suner S., ŞAHİNER M., Culha M., Ayyala R. S.
CARBOHYDRATE POLYMERS, cilt.277, 2022 (SCI-Expanded)
- LV. **Urease-Immobilized PEI Cryogels for the Enzymatic Hydrolysis of Urea and Carbon Dioxide Uptake**
Demirci S., ŞAHİNER N.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, cilt.61, sa.7, ss.2771-2782, 2022 (SCI-Expanded)
- LVI. **alpha-Glucosidase enzyme entrapped superporous poly(amphoteric) cryogel reactor with improved enzymatic activity and stability over wide pH ranges**
Demirci S., ŞAHİNER N.
CHEMICAL ENGINEERING RESEARCH & DESIGN, cilt.177, ss.670-681, 2022 (SCI-Expanded)
- LVII. **Poly(vinyl alcohol)-tannic Acid Cryogel Matrix as Antioxidant and Antibacterial Material**

- Ari B., ŞAHİNER M., Demirci S., ŞAHİNER N.
POLYMERS, cilt.14, sa.1, 2022 (SCI-Expanded)
- LVIII. **Chemically Cross-Linked Poly(β -Cyclodextrin) Particles as Promising Drug Delivery Materials**
Demirci S., Khiev D., Can M., ŞAHİNER M., Biswal M. R., Ayyala R. S., ŞAHİNER N.
ACS Applied Polymer Materials, cilt.3, sa.12, ss.6238-6251, 2021 (SCI-Expanded)
- LIX. **The effect of sulphur on the antibacterial properties of succinic acid-Cu(II) and mercaptosuccinic acid-Cu(II) MOFs**
Gizer S. G., ŞAHİNER N.
INORGANICA CHIMICA ACTA, cilt.528, 2021 (SCI-Expanded)
- LX. **Stabilisation of lavender essential oil extracted by microwave-assisted hydrodistillation: Characteristics of starch and soy protein-based microemulsions**
ÇELEBİ UZKUÇ N. M., UZKUÇ H., Berber M. M., TARHAN KUZU K., ÖZMEN TOĞAY S., İşleten Hoşoğlu M., KIRCA TOKLUCU A., KURT S., ŞAHİNER N., Karagül Yüceer Y.
Industrial Crops and Products, cilt.172, 2021 (SCI-Expanded)
- LXI. **Biodiverse Properties of Tannic Acid-Based Fibers**
ŞAHİNER M., Kurt S. B., ŞAHİNER N.
FIBERS AND POLYMERS, cilt.22, sa.11, ss.2986-2994, 2021 (SCI-Expanded)
- LXII. **Improved Biomedical Properties of Polydopamine-Coated Carbon Nanotubes**
Demirci S., ŞAHİNER M., Suner S. S., ŞAHİNER N.
MICROMACHINES, cilt.12, sa.11, 2021 (SCI-Expanded)
- LXIII. **Versatile Fluorescent Carbon Dots from Citric Acid and Cysteine with Antimicrobial, Anti-biofilm, Antioxidant, and AChE Enzyme Inhibition Capabilities**
Suner S., ŞAHİNER M., Ayyala R. S., Bhethanabotla V. R., ŞAHİNER N.
JOURNAL OF FLUORESCENCE, cilt.31, sa.6, ss.1705-1717, 2021 (SCI-Expanded)
- LXIV. **Synthesis and characterization of cobalt nanoparticles containing anionic polymer hydrogel nanocomposite catalysts for fast reduction of nitrocompounds in water**
Jabeen N., Farooqi Z. H., Shah A., Ali A., Khurram M., Mahmood K., ŞAHİNER N., Ajmal M.
JOURNAL OF POROUS MATERIALS, cilt.28, sa.5, ss.1563-1576, 2021 (SCI-Expanded)
- LXV. **Tunable fluorescent and antimicrobial properties of poly(vinyl amine) affected by the acidic or basic hydrolysis of poly(N-vinylformamide)**
SÜTEKİN S. D., Demirci S., Kurt S. B., Guven O., ŞAHİNER N.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.138, sa.42, 2021 (SCI-Expanded)
- LXVI. **Chondroitin Sulfate-Based Cryogels for Biomedical Applications**
Demirci S., ŞAHİNER M., Ari B., Sunol A. K., ŞAHİNER N.
GELS, cilt.7, sa.3, 2021 (SCI-Expanded)
- LXVII. **A polyphenolic biomacromolecule prepared from a flavonoid: Catechin as degradable microparticles**
Suner S. S., Mohapatra S., Ayyala R. S., Brethanabotla V. R., ŞAHİNER N.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.138, sa.24, 2021 (SCI-Expanded)
- LXVIII. **Tannic Acid for Simple and Highly Selective Visual Detection of Iron (II) and (III) Ions from Different Aqueous Environments**
YILDIZ M., ŞAHİNER N.
Water, Air, and Soil Pollution, cilt.232, sa.5, 2021 (SCI-Expanded)
- LXIX. **Self-Crosslinked Ellipsoidal Poly(Tannic Acid) Particles for Bio-Medical Applications**
ŞAHİNER N.
MOLECULES, cilt.26, sa.9, 2021 (SCI-Expanded)
- LXX. **A facile one-pot synthesis of microgels and nanogels of laminarin for biomedical applications**
Can M., ŞAHİNER N.
Journal of Colloid and Interface Science, cilt.588, ss.40-49, 2021 (SCI-Expanded)
- LXXI. **Dichromate and arsenate anion removal by PEI microgel, cryogel, and bulkgel**
Kubilay Ş., Demirci S., Can M., Aktas N., ŞAHİNER N.
Journal of Environmental Chemical Engineering, cilt.9, sa.2, 2021 (SCI-Expanded)

- LXXII. **Superporous neutral, anionic, and cationic cryogel reactors to improved enzymatic activity and stability of α -Glucosidase enzyme via entrapment method**
Demirci S., ŞAHİNER N.
Chemical Engineering Journal, cilt.409, 2021 (SCI-Expanded)
- LXXIII. **PEI modified natural sands of Florida as catalysts for hydrogen production from sodium borohydride dehydrogenation in methanol**
Inger E., Demirci S., Can M., Sunol A. K., Philippidis G., ŞAHİNER N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.45, sa.3, ss.4048-4067, 2021 (SCI-Expanded)
- LXXIV. **Versatile poly(maltose) micro/nanoparticles with tunable surface functionality as a biomaterial**
Kurt S. B., Ayyala R. S., ŞAHİNER N.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.138, sa.9, 2021 (SCI-Expanded)
- LXXV. **Catalytic performance of boron-containing magnetic metal nanoparticles in methylene blue degradation reaction and mixture with other pollutants**
Meydan E., Demirci Ş., Aktaş N., Şahiner N., Öztürk Ö. F.
Inorganic Chemistry Communications, cilt.126, ss.1-9, 2021 (SCI-Expanded)
- LXXVI. **Modification of halloysite clay nanotubes with various alkyl halides, and their characterization, blood compatibility, biocompatibility, and genotoxicity**
Can M., Demirci Ş., Yıldırım Y., Çakır Çoban C., Türk M., Şahiner N.
Materials Chemistry And Physics, cilt.259, ss.124013, 2021 (SCI-Expanded)
- LXXVII. **Chitosan based fibers embedding carbon dots with anti-bacterial and fluorescent properties**
Kurt S. B., ŞAHİNER N.
POLYMER COMPOSITES, cilt.42, sa.2, ss.872-880, 2021 (SCI-Expanded)
- LXXVIII. **HA particles as resourceful cancer, steroidal and antibiotic drug delivery device with sustainable and multiple drug release capability**
Şahiner N., Suner S., Kurt S. B., Can M., Ayyala R. S.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.58, sa.3, ss.145-155, 2021 (SCI-Expanded)
- LXXIX. **Rod-like L-Aspartic acid-Cu(II) metal organic frameworks; Synthesis, characterization and biomedical properties**
Gizer G., Şahiner M., Yıldırım Y., Demirci Ş., Can M., Şahiner N.
Current Research in Green and Sustainable Chemistry, cilt.4, 2021 (SCI-Expanded)
- LXXX. **An amino acid, L-Glutamic acid-based metal-organic frameworks and their antibacterial, blood compatibility, biocompatibility, and sensor properties**
Can M., Demirci S., Sunol A. K., ŞAHİNER N.
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.309, 2020 (SCI-Expanded)
- LXXXI. **Biocompatible macro, micro and nano scale guar gum hydrogels and their protein absorption capacity**
Suner S., ŞAHİNER N.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, cilt.57, sa.12, ss.810-818, 2020 (SCI-Expanded)
- LXXXII. **Biodegradable super porous inulin cryogels as potential drug carrier**
Ari B., ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.31, sa.11, ss.2863-2873, 2020 (SCI-Expanded)
- LXXXIII. **Synthesis and characterization of nitrogen-doped carbon dots as fluorescent nanoprobes with antimicrobial properties and skin permeability**
Demirci S., McNally A. B., Ayyala R. S., Lawson L. B., ŞAHİNER N.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.59, 2020 (SCI-Expanded)
- LXXXIV. **Amino acid-derived Poly((L)-Lysine) (p(LL)) microgel as a versatile biomaterial: Hydrolytically degradable, drug carrying, chemically modifiable and antimicrobial material**
ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.31, sa.10, ss.2152-2160, 2020 (SCI-Expanded)

- LXXXV. **Carbon Dots Fabrication: Ocular Imaging and Therapeutic Potential**
Garner I, Vichare R, Paulson R, Appavu R, Panguluri S. K., Tzekov R, Sahiner N, Ayyala R, Biswal M. R.
FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY, cilt.8, 2020 (SCI-Expanded)
- LXXXVI. **Preparation of dextran cryogels for separation processes of binary dye and pesticide mixtures from aqueous solutions**
Ari B., Yetiskin B., Okay O., ŞAHİNER N.
POLYMER ENGINEERING AND SCIENCE, cilt.60, sa.8, ss.1890-1901, 2020 (SCI-Expanded)
- LXXXVII. **Graphene Aerogels for In Situ Synthesis of Conductive Poly(para-phenylenediamine) Polymers, and Their Sensor Application**
Demirci S., Can M., ŞAHİNER N.
MICROMACHINES, cilt.11, sa.7, 2020 (SCI-Expanded)
- LXXXVIII. **Preparation of hyaluronic acid and copolymeric hyaluronic acid: sucrose particles as tunable antibiotic carriers**
Sahiner N., Suner S., Ayyala R. S.
JOURNAL OF POLYMER RESEARCH, cilt.27, sa.7, 2020 (SCI-Expanded)
- LXXXIX. **Natural Celluloses as Catalysts in Dehydrogenation of NaBH₄ in Methanol for H₂ Production**
Can M., Demirci S., Sunol A. K., Philippidis G., ŞAHİNER N.
ACS OMEGA, cilt.5, sa.25, ss.15519-15528, 2020 (SCI-Expanded)
- XC. **Biofabrication of Chitosan-Based Nanomedicines and Its Potential Use for Translational Ophthalmic Applications**
Vichare R, Garner I, Paulson R. J., Tzekov R, Sahiner N, Panguluri S. K., Mohapatra S, Mohapatra S. S., Ayyala R, Sned K. B., et al.
APPLIED SCIENCES-BASEL, cilt.10, sa.12, 2020 (SCI-Expanded)
- XCI. **Boron-containing magnetic nanoparticles from Co, Ni, and Fe chloride salts and their catalytic performances on 4-nitrophenol reduction**
MEYDAN E., Demirci S., Aktas N., ŞAHİNER N., ÖZTÜRK Ö. F.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.116, 2020 (SCI-Expanded)
- XCII. **Catalytic activity of metal-free amine-modified dextran microgels in hydrogen release through methanolysis of NaBH₄**
Inger E., Sunol A. K., Sahiner N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, sa.7, ss.5990-6001, 2020 (SCI-Expanded)
- XCIII. **Synthesis and preparation of responsive poly(Dimethyl acrylamide/gelatin and pomegranate extract) as a novel food packaging material**
Alpaslan D., Dudu T. E., ŞAHİNER N., Aktasa N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.108, 2020 (SCI-Expanded)
- XCIV. **Porous carbon particles as metal-free superior catalyst for hydrogen release from methanolysis of sodium borohydride**
Demirci S., YILDIZ M., Inger E., ŞAHİNER N.
RENEWABLE ENERGY, cilt.147, ss.69-76, 2020 (SCI-Expanded)
- XCV. **Delivery of Small Molecule EF2 Kinase Inhibitor for Breast and Pancreatic Cancer Cells Using Hyaluronic Acid Based Nanogels**
Cömert Önder F., Sağbaş Suner S., Şahiner N., Ay M., Ozpolat B.
PHARMACEUTICAL RESEARCH, cilt.37, sa.3, 2020 (SCI-Expanded)
- XCVI. **Comparison of Cross-Linked Branched and Linear Poly(ethylene imine) Microgel Microstructures and Their Impact in Antimicrobial Behavior, Copper Chelation, and Carbon Dioxide Capture**
Payne M. E., Lou Y., Zhang X., ŞAHİNER N., Sandoval N. R., Shantz D. F., Grayson S. M.
ACS APPLIED POLYMER MATERIALS, cilt.2, sa.2, ss.826-836, 2020 (SCI-Expanded)
- XCVII. **Functionalization of halloysite nanotubes with polyethyleneimine and various ionic liquid forms with antimicrobial activity**
Suner S., ŞAHİNER M., AKÇALI A., ŞAHİNER N.

- JOURNAL OF APPLIED POLYMER SCIENCE, cilt.137, sa.6, 2020 (SCI-Expanded)
- XCVIII. **Catalytic activity of amine functionalized titanium dioxide nanoparticles in methanolysis of sodium borohydride for hydrogen generation**
Demirci S., Sunol A. K., ŞAHİNER N.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.261, 2020 (SCI-Expanded)
- XCIX. **Antimicrobial activity and biocompatibility of slow-release hyaluronic acid-antibiotic conjugated particles**
Zhang Z., Suner S., Blake D. A., Ayyala R. S., ŞAHİNER N.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, cilt.576, 2020 (SCI-Expanded)
- C. **Simultaneous degradation and reduction of multiple organic compounds by poly(vinyl imidazole) cryogels templated Co, Ni, Cu metal nanoparticles**
TERCAN M., DEMİRCİ Ş., DAYAN O., ŞAHİNER N.
NEW JOURNAL OF CHEMISTRY, cilt.1, sa.1, ss.1-10, 2020 (SCI-Expanded)
- CI. **Preparation of Macroporous Carboxymethyl Cellulose Cryogels and Its Blood Compatibility**
ŞAHİNER N., SAĞBAŞ SUNER S., TOSUNOĞLU M.
MRS ADVANCES, ss.1-9, 2019 (SCI-Expanded)
- CII. **Tunable Friction Through Stimuli Responsive Hybrid Carbon Microspheres**
Oak S., Pashazanusi L., Sengel S. B., Omarova M., Hemstock J. L., He W., He J., John V., ŞAHİNER N., Pesika N. S.
LANGMUIR, cilt.35, sa.48, ss.15849-15854, 2019 (SCI-Expanded)
- CIII. **Graphene oxide embedded P(AAm)/PANI cryogel polymer composites for sensor application against pesticide, nitro compound, and organic dyes**
DEMIRCI S., SILAN C., ŞAHİNER N.
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, cilt.56, sa.11, ss.994-1003, 2019 (SCI-Expanded)
- CIV. **Crosslinked poly(Lactose) microgels and nanogels for biomedical applications**
Can M., Ayyala R. S., ŞAHİNER N.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.553, ss.805-812, 2019 (SCI-Expanded)
- CV. **N-doped C-dot embedded fluorescent and thermo-responsive p(NIPAAm) microgel composites**
DEMIRCI S., ŞAHİNER N.
POLYMER COMPOSITES, cilt.40, sa.10, ss.3895-3903, 2019 (SCI-Expanded)
- CVI. **Facile synthesis of hydrogel-nickel nanoparticle composites and their applications in adsorption and catalysis**
SHAFIQ Z., AJMAL M., KIRAN S., ZULFIQAR S., YASMEEN G., IQBAL M., FAROOQI Z. H., AHMAD Z., ŞAHİNER N., MAHMOOD K., et al.
PURE AND APPLIED CHEMISTRY, cilt.91, sa.10, ss.1567-1582, 2019 (SCI-Expanded)
- CVII. **Surface-modified carbon black derived from used car tires as alternative, reusable, and regenerable catalysts for H₂ release studies from sodium borohydride methanolysis**
Arı B., AY M., SUNOL A. K., ŞAHİNER N.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.43, sa.13, ss.7159-7172, 2019 (SCI-Expanded)
- CVIII. **Nitrogen and Sulfur Doped Carbon Dots from Amino Acids for Potential Biomedical Applications**
ŞAHİNER N., Suner S., ŞAHİNER M., SILAN C.
JOURNAL OF FLUORESCENCE, cilt.29, sa.5, ss.1191-1200, 2019 (SCI-Expanded)
- CIX. **Enhancement of biocompatibility and carbohydrate absorption control potential of rosmarinic acid through crosslinking into microparticles**
ŞAHİNER M., Blake D. A., Fullerton M. L., SUNER S. C., SUNOL A. K., ŞAHİNER N.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.137, ss.836-843, 2019 (SCI-Expanded)
- CX. **Synthesis and characterization of poly(N-(2-mercaptoethyl) acrylamide) microgel for biomedical applications**
SENGEL S. B., ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.30, sa.8, ss.2109-2121, 2019 (SCI-Expanded)
- CXI. **Cryogel composites based on hyaluronic acid and halloysite nanotubes as scaffold for tissue**

engineering

SUNER S. C., DEMIRCI S., Yetiskin B., FAKHRULLIN R., NAUMENKO E., Okay O., Ayyala R. S., ŞAHİNER N.

INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.130, ss.627-635, 2019 (SCI-Expanded)

- CXII. **Mesoporous, degradable hyaluronic acid microparticles for sustainable drug delivery application**
ŞAHİNER N., SUNER S. C., Ayyala R. S.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.177, ss.284-293, 2019 (SCI-Expanded)
- CXIII. **The use of M@p(4-VP) and M@p (VI) (M:Co, Ni, Cu) cryogel catalysts as reactor in a glass column in the reduction of p-nitrophenol to p-aminophenol under gravity**
ŞAHİNER N., DEMIRCI S.
ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, cilt.14, sa.3, 2019 (SCI-Expanded)
- CXIV. **The use of covalent organic frameworks as template for conductive polymer synthesis and their sensor applications**
ŞAHİNER N., DEMIRCI S.
JOURNAL OF POROUS MATERIALS, cilt.26, sa.2, ss.481-492, 2019 (SCI-Expanded)
- CXV. **Hyaluronic acid and hyaluronic acid: Sucrose nanogels for hydrophobic cancer drug delivery**
SUNER S. S., Arı B., CÖMERT ÖNDER F., ÖZPOLAT B., AY M., ŞAHİNER N.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.126, ss.1150-1157, 2019 (SCI-Expanded)
- CXVI. **The preparation and use of p(2-acrylamido-2-methyl-1-propanesulfonic acid)-tris(dioxa-3,6-heptyl)amine (p(AMPS)-TDA-1) ionic liquid microgel in hydrogen production**
DEMIRCI S., Zekoski T., ŞAHİNER N.
POLYMER BULLETIN, cilt.76, sa.4, ss.1717-1735, 2019 (SCI-Expanded)
- CXVII. **Use of modified poly(inulin) micro/nanogels in drug release and blood compatibility tests Modifiye poli(inülin) mikro/nanojellerinin ilaç salımında kullanımı ve kan uyumluluklarının tespiti**
ÜLKER ÇAKIR D., SAĞBAŞ SUNER S., ŞAHİNER N.
Turkiye Klinikleri Journal of Medical Sciences, cilt.39, sa.1, ss.75-82, 2019 (SCI-Expanded)
- CXVIII. **Online monitoring of dopamine particle formation via continuous light scattering intensity measurement**
Wu A., Sahiner N., Reed W. F.
EUROPEAN POLYMER JOURNAL, cilt.112, ss.749-753, 2019 (SCI-Expanded)
- CXIX. **Conductive Polymer Containing Graphene Aerogel Composites as Sensor for CO2**
ŞAHİNER N.
POLYMER COMPOSITES, cilt.40, 2019 (SCI-Expanded)
- CXX. **Carbon dots: preparation, properties, and application**
SAĞBAŞ SUNER S., ŞAHİNER N.
NANOCARBON AND ITS COMPOSITES: PREPARATION, PROPERTIES, AND APPLICATIONS, ss.651-676, 2019 (SCI-Expanded)
- CXXI. **Nematicidal effects of olive pomace and green walnut husk on root-knot nematodes Meloidogyne incognita on tomato**
KAVDIR Y., GÖZEL U., ŞAHİNER N.
ALLELOPATHY JOURNAL, cilt.46, sa.1, ss.3-16, 2019 (SCI-Expanded)
- CXXII. **Fabrication of Biodegradable Poly(naringin) Particles with Antioxidant Activity and Low Toxicity**
Sahiner M., ŞAHİNER N., Sagbas S., FULLERTON M. L., BLAKE D. A.
ACS Omega, cilt.3, sa.12, ss.17359-17367, 2018 (SCI-Expanded)
- CXXIII. **Polydopamine particles as nontoxic, blood compatible, antioxidant and drug delivery materials**
Sahiner N., Sagbas S., ŞAHİNER M., BLAKE D. A., REED W. F.
Colloids and Surfaces B: Biointerfaces, cilt.172, ss.618-626, 2018 (SCI-Expanded)
- CXXIV. **Polydopamine particles as nontoxic, blood compatible, antioxidant and drug delivery materials,**
SAHİNER N., SAĞBAS S., ŞAHİNER M., A. BLAKE D., REED W.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.172, sa.1, ss.618-626, 2018 (SCI-Expanded)
- CXXV. **Modifiable natural gum based microgel capsules as sustainable drug delivery systems**
Sagbas S., ŞAHİNER N.

Carbohydrate Polymers, cilt.200, ss.128-136, 2018 (SCI-Expanded)

- CXXXVI. **One step preparation of polymeric maltitol particles, from a sugar molecule, maltitol for biomedical applications**
ŞAHİNER N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.89, ss.205-212, 2018 (SCI-Expanded)
- CXXXVII. **Super macroporous poly(N-isopropyl acrylamide) cryogel for separation purpose**
ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.29, sa.8, ss.2184-2191, 2018 (SCI-Expanded)
- CXXXVIII. **Sucrose based ionic liquid colloidal microgels in separation of biomacromolecules**
ŞAHİNER N., SAĞBAŞ SUNER S.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.196, ss.191-199, 2018 (SCI-Expanded)
- CXXXIX. **Graphene Oxide Embedded P(4-VP) Cryogel Composites for Fast Dye Removal/Separations**
ŞAHİNER N., YILDIZ S., Sagbas S.
POLYMER COMPOSITES, cilt.39, sa.5, ss.1694-1703, 2018 (SCI-Expanded)
- CXXX. **Carbon spheres from lactose as green catalyst for fast hydrogen production via methanolysis**
ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, sa.20, ss.9687-9695, 2018 (SCI-Expanded)
- CXXXI. **Polymeric ionic liquid materials derived from natural source for adsorption purpose**
ŞAHİNER N., SAĞBAŞ SUNER S.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.196, ss.208-216, 2018 (SCI-Expanded)
- CXXXII. **Highly regenerable ionic liquid microgels as inherently metal-free green catalyst for H₂ generation**
Ozturk O. F., Demirci S., Sengel S. B., ŞAHİNER N.
POLYMERS FOR ADVANCED TECHNOLOGIES, cilt.29, sa.5, ss.1426-1434, 2018 (SCI-Expanded)
- CXXXIII. **Humic acid particle embedded super porous gum Arabic cryogel network for versatile use**
SUNER S. S., ŞAHİNER N.
Polymers for Advanced Technologies, cilt.29, sa.1, ss.151-159, 2018 (SCI-Expanded)
- CXXXIV. **Responsive biopolymer-based microgels/nanogels for drug delivery applications**
Suner S. S., ŞAHİNER M., Sengel S. B., Rees D. J., Reed W. F., ŞAHİNER N.
STIMULI RESPONSIVE POLYMERIC NANOCARRIERS FOR DRUG DELIVERY APPLICATIONS: TYPES AND TRIGGERS, VOL 1, ss.453-500, 2018 (SCI-Expanded)
- CXXXV. **Synthesis, Characterization, and Use of Carbon Microspheres for Removal of Different Dyes from Aqueous Environments**
ŞAHİNER N., FAROOQ M., REHMAN S. U., Sağbaşı S., Sahiner M., SIDDIQ M., Aktaş N.
WATER AIR AND SOIL POLLUTION, cilt.228, sa.10, 2017 (SCI-Expanded)
- CXXXVI. **Various amine functionalized halloysite nanotube as efficient metal free catalysts for H₂ generation from sodium borohydride methanolysis**
ŞAHİNER N., Sengel S. B.
Applied Clay Science, cilt.146, ss.517-525, 2017 (SCI-Expanded)
- CXXXVII. **H₂ generation from NaBH₄ methanolysis via magnetic field sensitive ionic liquid coated silica particles as catalyst**
ŞAHİNER N., Yasar A. O., Aktaş N.
Surfaces and Interfaces, cilt.8, ss.36-44, 2017 (SCI-Expanded)
- CXXXVIII. **Synthesis and Characterization of Terephthalic Acid Based Cr³⁺, Sb³⁺, In³⁺ and V³⁺ Metal-Organic Frameworks**
ŞAHİNER N., Demirci S., Yildiz M.
Journal of Inorganic and Organometallic Polymers and Materials, cilt.27, sa.5, ss.1333-1341, 2017 (SCI-Expanded)
- CXXXIX. **Radiation-Induced Acrylamide/4-Vinyl Pyridine Biocidal Hydrogels: Synthesis, Characterization, and Antimicrobial Activities**
ARSLAN M., SARAYDIN D., ÖZTOP A. Y., ŞAHİNER N.
Polymer - Plastics Technology and Engineering, cilt.56, sa.12, ss.1295-1306, 2017 (SCI-Expanded)

- CXL. **Can PEI microgels become biocompatible upon betainization?**
ŞAHİNER N., DEMIRCI S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.77, ss.642-648, 2017 (SCI-Expanded)
- CXLI. **Superporous hyaluronic acid cryogel composites embedding synthetic polyethyleneimine microgels and Halloysite Nanotubes as natural clay**
DEMIRCI S., SUNER S. S., Sahiner M., ŞAHİNER N.
European Polymer Journal, cilt.93, ss.775-784, 2017 (SCI-Expanded)
- CXLII. **Removal of arsenate and dichromate ions from different aqueous media by amine based p(TAEA-co-GDE) microgels**
REHMAN S. U., KHAN A. R., Sahiner M., SENDEL S. B., Aktaş N., SIDDIQ M., ŞAHİNER N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.197, ss.631-641, 2017 (SCI-Expanded)
- CXLIII. **Gum Arabic Microgels As Template for In Situ Metal-Sulfide Based Quantum Dots Preparation and Their Thermal, Spectroscopic, Optical, and Magnetic Characterization**
FAROOQ M., Sağbaşı S., YILDIZ M., Meral K., SIDDIQ M., Aktaş N., ŞAHİNER N.
JOURNAL OF ELECTRONIC MATERIALS, cilt.46, sa.7, ss.4373-4383, 2017 (SCI-Expanded)
- CXLIV. **Superporous cryogel/conductive composite systems for potential sensor applications**
ŞAHİNER N., Demirci S., Aktaş N.
JOURNAL OF POLYMER RESEARCH, cilt.24, sa.8, 2017 (SCI-Expanded)
- CXLV. **Single step poly(L-Lysine) microgel synthesis, characterization and biocompatibility tests**
ŞAHİNER N.
POLYMER, cilt.121, ss.46-54, 2017 (SCI-Expanded)
- CXLVI. **Poly((Thiazol-2-yl) acrylamide), p(ATA) microgel: Synthesis, characterization and versatile applications**
Butun Sengel S., ŞAHİNER N.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, cilt.522, ss.272-278, 2017 (SCI-Expanded)
- CXLVII. **Improved mechanical strength of p(AAm) interpenetrating hydrogel network due to microgranular cellulose embedding**
ŞAHİNER N., DEMIRCI S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.134, sa.21, 2017 (SCI-Expanded)
- CXLVIII. **Halloysite-carboxymethyl cellulose cryogel composite from natural sources**
SENDEL S. B., Sahiner M., Aktaş N., ŞAHİNER N.
Applied Clay Science, cilt.140, ss.66-74, 2017 (SCI-Expanded)
- CXLIX. **The use of p(4-VP) cryogel as template for in situ preparation of p(An), p(Py), and p(Th) conductive polymer and their potential sensor applications**
ŞAHİNER N., Demirci S.
Synthetic Metals, cilt.227, ss.11-20, 2017 (SCI-Expanded)
- CL. **The use of graphene oxide-embedded superporous poly(2-hydroxyethylmethacrylate) cryogels for p(aniline) conductive polymer synthesis and their use in sensor applications**
ŞAHİNER N., Demirci S.
Materials and Design, cilt.120, ss.47-55, 2017 (SCI-Expanded)
- CLI. **Environmentally benign halloysite clay nanotubes as alternative catalyst to metal nanoparticles in H₂ production from methanolysis of sodium borohydride**
ŞAHİNER N., Sengel S. B.
Fuel Processing Technology, cilt.158, ss.1-8, 2017 (SCI-Expanded)
- CLII. **Very fast H₂ production from the methanolysis of NaBH₄ by metal-free poly(ethylene imine) microgel catalysts**
ŞAHİNER N., Demirci S.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.41, sa.5, ss.736-746, 2017 (SCI-Expanded)
- CLIII. **Polyethyleneimine modified poly(Hyaluronic acid) particles with controllable antimicrobial and anticancer effects**

- Sahiner N., Sagbas S., Sahiner M., Ayyala R. S.
Carbohydrate Polymers, cilt.159, ss.29-38, 2017 (SCI-Expanded)
- CLIV. **Natural microgranular cellulose as alternative catalyst to metal nanoparticles for H-2 production from NaBH₄ methanolysis**
ŞAHİNER N., Demirci S.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.202, ss.199-206, 2017 (SCI-Expanded)
- CLV. **Metal-free pyridinium-based polymeric ionic liquids as catalyst for H-2 generation from NaBH₄**
ŞAHİNER N., YASAR A. O., Aktaş N.
RENEWABLE ENERGY, cilt.101, ss.1005-1012, 2017 (SCI-Expanded)
- CLVI. **Preparation and Characterization of Bi-metallic and Tri-metallic Metal Organic Frameworks Based on Trimesic Acid and Co(II), Ni(II), and Cu(II) Ions**
ŞAHİNER N., Demirci S., YILDIZ M.
Journal of Electronic Materials, cilt.46, sa.2, ss.790-801, 2017 (SCI-Expanded)
- CLVII. **Surfactant free synthesis and characterization of poly(vinyl carbazole) microgel and its chemical modifications**
ŞAHİNER N., SENDEL S. B.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.514, ss.243-250, 2017 (SCI-Expanded)
- CLVIII. **Synthesis, characterization and modification of Gum Arabic microgels for hemocompatibility and antimicrobial studies**
Farooq M., Sagbas S., Sahiner M., Siddiq M., Turk M., Aktaş N., ŞAHİNER N.
Carbohydrate Polymers, cilt.156, ss.380-389, 2017 (SCI-Expanded)
- CLIX. **Modified multi-wall carbon nanotubes as metal free catalyst for application in H₂ production from methanolysis of NaBH₄**
ŞAHİNER N.
Journal of Power Sources, cilt.366, ss.178-184, 2017 (SCI-Expanded)
- CLX. **P(TA) macro-, micro-, nanoparticle-embedded super porous p(HEMA) cryogels as wound dressing material**
ŞAHİNER N., Sagbas S., Sahiner M., SILAN C.
Materials Science and Engineering C, cilt.70, ss.317-326, 2017 (SCI-Expanded)
- CLXI. **A facile preparation of donut-like supramolecular tannic acid-Fe(III) composite as biomaterials with magnetic, conductive, and antioxidant properties**
ŞAHİNER N., SENDEL S. B., YILDIZ M.
JOURNAL OF COORDINATION CHEMISTRY, cilt.70, sa.21, ss.3619-3632, 2017 (SCI-Expanded)
- CLXII. **Synthesis, characterization, and application of a novel water-soluble polyethyleneimine-based Schiff base colorimetric chemosensor for metal cations and biological activity**
YILDIZ M., DEMİR N., Ünver H., ŞAHİNER N.
Sensors and Actuators, B: Chemical, cilt.252, ss.55-61, 2017 (SCI-Expanded)
- CLXIII. **Chemical composition, antimicrobial, antioxidant and anthocyanin activities of mosses (Cinclidotus fontinaloides (Hedw.) P.Beauv. and Palustriella commutata (Hedw.) Ochyra) gathered from Turkey**
Yayintas O. T., Alpaslan D., Karagül Yuceer Y., Yılmaz S., ŞAHİNER N.
Natural Product Research, cilt.31, sa.18, ss.2169-2173, 2017 (SCI-Expanded)
- CLXIV. **0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**
Butun S., Demirci S., Yasar A. O., SAĞBAŞ SUNER S., Aktaş N., ŞAHİNER N.
MORPHOLOGICAL, COMPOSITIONAL, AND SHAPE CONTROL OF MATERIALS FOR CATALYSIS, cilt.177, ss.317-357, 2017 (SCI-Expanded)
- CLXV. **Quaternized polymeric microgels as metal free catalyst for H-2 production from the methanolysis of sodium borohydride**
ŞAHİNER N., SENDEL S. B.
JOURNAL OF POWER SOURCES, cilt.336, ss.27-34, 2016 (SCI-Expanded)
- CLXVI. **Milk hydrogels as nutrient media and survival rate enhancer under cryogenic conditions for**

different microorganisms

Alpaslan D., Sahiner M., YÜCEER Y., AKÇALI A., Aktaş N., ŞAHİNER N.

POLYMER BULLETIN, cilt.73, sa.12, ss.3351-3370, 2016 (SCI-Expanded)

- CLXVII. **An alternative to metal catalysts: Poly(4-vinyl pyridine]-based polymeric ionic liquid catalyst for H-2 generation from hydrolysis and methanolysis of NaBH₄**
ŞAHİNER N., YASAR A. O., Aktaş N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.45, ss.20562-20572, 2016 (SCI-Expanded)
- CLXVIII. **In situ preparation of polyaniline within neutral, anionic, and cationic superporous cryogel networks as conductive, semi-interpenetrating polymer network cryogel composite systems**
ŞAHİNER N., DEMIRCI S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.133, sa.46, 2016 (SCI-Expanded)
- CLXIX. **Tannic acid decorated poly(methacrylic acid) micro and nanoparticles with controllable tannic acid release and antioxidant properties**
ŞAHİNER N., Sengel S. B.
Colloids and Surfaces A: Physicochemical and Engineering Aspects, cilt.508, ss.30-38, 2016 (SCI-Expanded)
- CLXX. **A New Application for Colloidal Silica Particles: Natural, Environmentally Friendly, Low-Cost, and Reusable Catalyst Material for H₂ Production from NaBH₄ Methanolysis**
Sahiner N., Yasar A. O.
Industrial and Engineering Chemistry Research, cilt.55, sa.43, ss.11245-11252, 2016 (SCI-Expanded)
- CLXXI. **Imidazolium based polymeric ionic liquid microgels as an alternative catalyst to metal catalysts for H-2 generation from methanolysis of NaBH₄**
ŞAHİNER N., YASAR A. O.
FUEL PROCESSING TECHNOLOGY, cilt.152, ss.316-324, 2016 (SCI-Expanded)
- CLXXII. **Degradable tannic acid/polyethyleneimine polyplex particles with highly antioxidant and antimicrobial effects**
ŞAHİNER N., Sağbaş S., Sahiner M., DEMIRCI S.
POLYMER DEGRADATION AND STABILITY, cilt.133, ss.152-161, 2016 (SCI-Expanded)
- CLXXIII. **Conducting semi-interpenetrating polymeric composites via the preparation of poly(aniline), poly(thiophene), and poly(pyrrole) polymers within superporous poly(acrylic acid) cryogels**
ŞAHİNER N., DEMIRCI S.
REACTIVE & FUNCTIONAL POLYMERS, cilt.105, ss.60-65, 2016 (SCI-Expanded)
- CLXXIV. **Covalent organic framework based on melamine and dibromoalkanes for versatile use**
ŞAHİNER N., DEMIRCI S., SEL K.
JOURNAL OF POROUS MATERIALS, cilt.23, sa.4, ss.1025-1035, 2016 (SCI-Expanded)
- CLXXV. **Conductivity of p(AAc) Cryogel and Its Li⁺, Na⁺, and K⁺ Salts for NH₃ Sensing**
ŞAHİNER N., DEMIRCI S., SEL K.
JOURNAL OF ELECTRONIC MATERIALS, cilt.45, sa.7, ss.3759-3765, 2016 (SCI-Expanded)
- CLXXVI. **Preparation of macro-, micro-, and nano-sized poly(Tannic acid) particles with controllable degradability and multiple biomedical uses**
ŞAHİNER N., Sagbas S., Aktaş N.
Polymer Degradation and Stability, cilt.129, ss.96-105, 2016 (SCI-Expanded)
- CLXXVII. **Inherently antioxidant and antimicrobial tannic acid release from poly(tannic acid) nanoparticles with controllable degradability**
ŞAHİNER N., Sagbas S., Aktaş N., SILAN C.
Colloids and Surfaces B: Biointerfaces, cilt.142, ss.334-343, 2016 (SCI-Expanded)
- CLXXVIII. **Poly ionic liquid cryogel of polyethyleneimine: Synthesis, characterization, and testing in absorption studies**
ŞAHİNER N., Demirci S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.133, sa.22, 2016 (SCI-Expanded)
- CLXXIX. **Introduction of double amidoxime group by double post surface modification on poly(vinylbenzyl chloride) beads for higher amounts of organic dyes, As (V) and Cr (VI) removal**

- Ajmal M., Demirci S., Uzun Y., Siddiq M., Aktaş N., ŞAHİNER N.
Journal of Colloid and Interface Science, cilt.470, ss.39-46, 2016 (SCI-Expanded)
- CLXXX. **Preparation and characterization of monodisperse, mesoporous natural poly(tannic acid)-silica nanoparticle composites with antioxidant properties**
ŞAHİNER N., Sagbas S., Aktaş N.
Microporous and Mesoporous Materials, cilt.226, ss.316-324, 2016 (SCI-Expanded)
- CLXXXI. **Application of superporous magnetic cationic cryogels for persistent chromate (toxic chromate and dichromate) uptake from aqueous environments**
ŞAHİNER N., Demirci S., Sahiner M., Yilmaz S.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.133, sa.20, 2016 (SCI-Expanded)
- CLXXXII. **Co nanoparticle decorated magnetic core, polymeric ionic liquid shell composites for H₂ production**
Sahiner N., Yasar A. O.
Fuel Processing Technology, cilt.144, ss.124-131, 2016 (SCI-Expanded)
- CLXXXIII. **PEI-based hydrogels with different morphology and sizes: Bulk gel, microgel, and cryogel for catalytic energy and environmental catalytic applications**
ŞAHİNER N., Demirci S.
European Polymer Journal, cilt.76, ss.156-169, 2016 (SCI-Expanded)
- CLXXXIV. **Poly(vinyl phosphonic acid) nanogels with tailored properties and their use for biomedical and environmental applications**
Sengel S. B., ŞAHİNER N.
European Polymer Journal, cilt.75, ss.264-275, 2016 (SCI-Expanded)
- CLXXXV. **Simultaneous catalytic degradation/reduction of multiple organic compounds by modifiable p(methacrylic acid-co-acrylonitrile)-M (M: Cu, Co) microgel catalyst composites**
Ajmal M., Demirci S., Siddiq M., Aktaş N., ŞAHİNER N.
New Journal of Chemistry, cilt.40, sa.2, ss.1485-1496, 2016 (SCI-Expanded)
- CLXXXVI. **Amidoximated poly(acrylonitrile) particles for environmental applications: Removal of heavy metal ions, dyes, and herbicides from water with different sources**
AJMAL M., DEMIRCI S., SIDDIQ M., Aktaş N., ŞAHİNER N.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.133, sa.7, 2016 (SCI-Expanded)
- CLXXXVII. **Fast removal of high quantities of toxic arsenate via cationic p(APTMAcI) microgels**
Rehman S. u., Siddiq M., Al-Lohedan H., Aktaş N., Sahiner M., Demirci S., Sahiner N.
Journal of Environmental Management, cilt.166, ss.217-226, 2016 (SCI-Expanded)
- .LXXXVIII. **Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties**
ŞAHİNER N., Sağbaş S., Sahiner M., SILAN C., Aktaş N., Turk M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.82, ss.150-159, 2016 (SCI-Expanded)
- CLXXXIX. **Synthesis and characterization of new microgel from tris(2-aminoethyl)amine and glycerol diglycidyl ether as poly(TAEA-co-GDE)**
URREHMAN S., Sahiner M., SEL K., SIDDIQ M., ŞAHİNER N.
Colloids and Surfaces B: Biointerfaces, cilt.136, ss.1156-1165, 2015 (SCI-Expanded)
- CXC. **Betaine microgel preparation from 2-(methacryloyloxy) ethyl] dimethyl (3-sulfopropyl) ammonium hydroxide and its use as a catalyst system**
Ajmal M., Demirci S., Siddiq M., Aktaş N., ŞAHİNER N.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.486, ss.29-37, 2015 (SCI-Expanded)
- CXCI. **Modified biofunctional p(tannic acid) microgels and their antimicrobial activity**
SAĞBAŞ SUNER S., Aktaş N., ŞAHİNER N.
APPLIED SURFACE SCIENCE, cilt.354, ss.306-313, 2015 (SCI-Expanded)
- CXCII. **The synthesis of desired functional groups on PEI microgel particles for biomedical and environmental applications**
Sahiner N., Demirci S., Sahiner M., Al-Lohedan H.

- APPLIED SURFACE SCIENCE, cilt.354, ss.380-387, 2015 (SCI-Expanded)
- CXCIII. **Ionic liquid colloids based on PEI for versatile use**
Demirci S., SEL K., ŞAHİNER N.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.155, ss.66-74, 2015 (SCI-Expanded)
- CXCIV. **Macroporous cryogel metal nanoparticle composites for H-2 generation from NaBH₄ hydrolysis in seawater**
Sahiner N., Yildiz S., Sahiner M., Issa Z. A., Al-Lohedan H.
APPLIED SURFACE SCIENCE, cilt.354, ss.388-396, 2015 (SCI-Expanded)
- CXCV. **Surface activity of amphiphilic cationic pH-responsive poly(4-vinylpyridine) microgel at air/water interface**
Sahiner N., ATTA A. M., YASAR A. O., AL-LOHEDAN H. A., EZZAT A. O.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.482, ss.647-655, 2015 (SCI-Expanded)
- CXCVI. **Ionic liquid hydrogel templates: Bulkgel, cryogel, and microgel to be used for metal nanoparticle preparation and catalysis**
YILDIZ S., Sahiner M., ŞAHİNER N.
EUROPEAN POLYMER JOURNAL, cilt.70, ss.66-78, 2015 (SCI-Expanded)
- CXCVII. **The resourcefulness of p(4-VP) cryogels as template for in situ nanoparticle preparation of various metals and their use in H-2 production, nitro compound reduction and dye degradation**
Sahiner N., Yildiz S., Al-Lohedan H.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.166, ss.145-154, 2015 (SCI-Expanded)
- CXCVIII. **The use of superporous p(3-acrylamidopropyl)trimethyl ammonium chloride cryogels for removal of toxic arsenate anions**
Sahiner N., DEMIRCI S., Sahiner M., Yilmaz S., Al-Lohedan H.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.152, ss.66-74, 2015 (SCI-Expanded)
- CXCIX. **Super-fast hydrogen generation via super porous Q-P(VI)-M cryogel catalyst systems from hydrolysis of NaBH₄**
Sahiner N., Seven F., Al-Lohedan H.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.13, ss.4605-4616, 2015 (SCI-Expanded)
- CC. **Cationic microgels embedding metal nanoparticles in the reduction of dyes and nitro-phenols**
REHMAN S. U., SIDDIQ M., Al-Lohedan H., Sahiner N.
CHEMICAL ENGINEERING JOURNAL, cilt.265, ss.201-209, 2015 (SCI-Expanded)
- CCI. **Single step natural poly(tannic acid) particle preparation as multitalented biomaterial**
ŞAHİNER N., Sağbaş S., Aktaş N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.49, ss.824-834, 2015 (SCI-Expanded)
- CCII. **A facile synthesis route to improve the catalytic activity of inherently cationic and magnetic catalyst systems for hydrogen generation from sodium borohydride hydrolysis**
ŞAHİNER N., Seven F.
FUEL PROCESSING TECHNOLOGY, cilt.132, ss.1-8, 2015 (SCI-Expanded)
- CCIII. **Superporous Cryogel-M (Cu, Ni, and Co) Composites in Catalytic Reduction of Toxic Phenolic Compounds and Dyes from Wastewaters**
Sahiner N., Seven F., Al-Lohedan H.
WATER AIR AND SOIL POLLUTION, cilt.226, sa.4, 2015 (SCI-Expanded)
- CCIV. **Environmental application of PEI based hydrogels in different morphology and sizes: Bulk, microgel, and cryogel**
ŞAHİNER N., Demirci S., Sahiner M., Al-Lohedan H., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.249, 2015 (SCI-Expanded)
- CCV. **NH₃ gas sensing applications of metal organic frameworks**
SEL K., DEMIRCI S., ÖZTÜRK Ö. F., Aktaş N., ŞAHİNER N.
MICROELECTRONIC ENGINEERING, cilt.136, ss.71-76, 2015 (SCI-Expanded)

- CCVI. **Monodisperse polymeric ionic liquid microgels by post modifications and their versatile biomedical applications**
ŞAHİNER N., Yasar A., Yildiz S., Demirci S., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.249, 2015 (SCI-Expanded)
- CCVII. **Natural p(TA) hydrogel and microgel networks for diverse potential biomedical uses**
ŞAHİNER N., SAĞBAŞ SUNER S., Sahiner M., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.249, 2015 (SCI-Expanded)
- CCVIII. **The Use of Metal Nanoparticle-Embedded Poly(ethyleneimine) Composite Microgel in the Reduction of Nitrophenols**
DEMIRCI S., ŞAHİNER N.
WATER AIR AND SOIL POLLUTION, cilt.226, sa.3, 2015 (SCI-Expanded)
- CCIX. **Dicationic poly(4-vinyl pyridinium) ionic liquid capsules as template for Co nanoparticle preparation and H-2 production from hydrolysis of NaBH₄**
Sahiner N., Yasar A. O., Aktaş N.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, cilt.23, ss.100-108, 2015 (SCI-Expanded)
- CCX. **Benign Preparation of Metal-Organic Frameworks of Trimesic Acid and Cu, Co or Ni for Potential Sensor Applications**
SEL K., DEMIRCI S., MEYDAN E., YILDIZ S., ÖZTÜRK Ö. F., Al-Lohedan H., ŞAHİNER N.
JOURNAL OF ELECTRONIC MATERIALS, cilt.44, sa.1, ss.136-143, 2015 (SCI-Expanded)
- CCXI. **Very fast catalytic reduction of 4-nitrophenol, methylene blue and eosin Y in natural waters using green chemistry: p(tannic acid)-Cu ionic liquid composites**
ŞAHİNER N., Sağbaş S., Aktaş N.
RSC ADVANCES, cilt.5, sa.24, ss.18183-18195, 2015 (SCI-Expanded)
- CCXII. **Modified macroporous P(2-hydroxyethyl methacrylate) P(HEMA) cryogel composites for H-2 production from hydrolysis of NaBH₄**
Seven F., ŞAHİNER N.
FUEL PROCESSING TECHNOLOGY, cilt.128, ss.394-401, 2014 (SCI-Expanded)
- CCXIII. **Enhanced catalytic performance in hydrogen generation from NaBH₄ hydrolysis by super porous cryogel supported Co and Ni catalysts**
Seven F., ŞAHİNER N.
JOURNAL OF POWER SOURCES, cilt.272, ss.128-136, 2014 (SCI-Expanded)
- CCXIV. **A simple post modification method for novel porous superabsorbent p(acrylamide) hydrogels and their H-2 production**
Seven F., Sahiner N.
JOURNAL OF POLYMER RESEARCH, cilt.21, sa.12, 2014 (SCI-Expanded)
- CCXV. **Superior reusability of metal catalysts prepared within poly(ethylene imine) microgels for H-2 production from NaBH₄ hydrolysis**
DEMIRCI S., ŞAHİNER N.
FUEL PROCESSING TECHNOLOGY, cilt.127, ss.88-96, 2014 (SCI-Expanded)
- CCXVI. **One step poly(rutin) particle preparation as biocolloid and its characterization**
ŞAHİNER N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.44, ss.9-16, 2014 (SCI-Expanded)
- CCXVII. **NaOH Modified P(acrylamide) Hydrogel Matrices for In Situ Metal Nanoparticles Preparation and Their Use in H-2 Generation from Hydrolysis of NaBH₄**
Seven F., ŞAHİNER N.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.131, sa.22, 2014 (SCI-Expanded)
- CCXVIII. **Preparation of superporous poly(4-vinyl pyridine) cryogel and their templated metal nanoparticle composites for H-2 production via hydrolysis reactions**
ŞAHİNER N., YILDIZ S.
FUEL PROCESSING TECHNOLOGY, cilt.126, ss.324-331, 2014 (SCI-Expanded)

- CCXXIX. **Facile synthesis and characterization of trimesic acid-Cu based metal organic frameworks**
ŞAHİNER N., SEL K., ÖZTÜRK Ö. F., DEMIRCI S., TERZI G.
APPLIED SURFACE SCIENCE, cilt.314, ss.663-669, 2014 (SCI-Expanded)
- CCXX. **H-2 generation from NaBH₄ and NH₃BH₃ using metal catalysts prepared within p(VI) capsule particles**
ŞAHİNER N., YASAR A. O.
FUEL PROCESSING TECHNOLOGY, cilt.125, ss.148-154, 2014 (SCI-Expanded)
- CCXXI. **Metal nanoparticle-embedded super porous poly(3-sulfopropyl methacrylate) cryogel for H-2 production from chemical hydride hydrolysis**
YILDIZ S., Aktaş N., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.39, sa.27, ss.14690-14700, 2014 (SCI-Expanded)
- CCXXII. **Superporous P(2-hydroxyethyl methacrylate) cryogel-M (M:Co, Ni, Cu) composites as highly effective catalysts in H-2 generation from hydrolysis of NaBH₄ and NH₃BH₃**
Seven F., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.39, sa.28, ss.15455-15463, 2014 (SCI-Expanded)
- CCXXIII. **Monodispersed p(2-VP) and p(2-VP-co-4-VP) particle preparation and their use as template for metal nanoparticle and as catalyst for H-2 production from NaBH₄ and NH₃BH₃ hydrolysis**
ŞAHİNER N., YASAR A. O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.39, sa.20, ss.10476-10484, 2014 (SCI-Expanded)
- CCXXIV. **Multifunctional tunable p(inulin) microgels**
ŞAHİNER N., Sağbaş S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.40, ss.366-372, 2014 (SCI-Expanded)
- CCXXV. **The use of superporous p(AAc (acrylic acid)) cryogels as support for Co and Ni nanoparticle preparation and as reactor in H-2 production from sodium borohydride hydrolysis**
ŞAHİNER N., Seven F.
ENERGY, cilt.71, ss.170-179, 2014 (SCI-Expanded)
- CCXXVI. **One step poly(quercetin) particle preparation as biocolloid and its characterization**
ŞAHİNER N.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.452, ss.173-180, 2014 (SCI-Expanded)
- CCXXVII. **PEI-based ionic liquid colloids for versatile use: Biomedical and environmental applications**
DEMIRCI S., ŞAHİNER N.
JOURNAL OF MOLECULAR LIQUIDS, cilt.194, ss.85-92, 2014 (SCI-Expanded)
- CCXXVIII. **Fast and High Amount of Uranyl Ion Uptake by p(Vinyl Phosphonic Acid) Microgels Prepared by UV Irradiation Technique**
ŞAHİNER N.
WATER AIR AND SOIL POLLUTION, cilt.225, sa.6, 2014 (SCI-Expanded)
- CCXXIX. **Poly(sucrose) micro particles preparation and their use as biomaterials**
ŞAHİNER N., Sağbaş S., Turk M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.66, ss.236-244, 2014 (SCI-Expanded)
- CCXXX. **Metal-Ion-Containing Ionic Liquid Hydrogels and Their Application to Hydrogen Production**
ŞAHİNER N., Alpaslan D.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.131, sa.9, 2014 (SCI-Expanded)
- CCXXXI. **Magnetic colloidal polymeric ionic liquid synthesis and use in hydrogen production**
ŞAHİNER N., DEMIR S., YILDIZ S.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.449, ss.87-95, 2014 (SCI-Expanded)
- CCXXXII. **Influence of the Medium Conditions on Enzymatic Oxidation of Bisphenol A**
Yalçinkaya Z., Gun S., Şahan T., BIRHANLI E., ŞAHİNER N., Aktaş N., YESİLADA O.
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, cilt.92, sa.4, ss.712-719, 2014 (SCI-Expanded)

- CCXXXIII. **ILC (ionic liquid colloids) based on p(4-VP) (poly(4-vinyl pyridine)) microgels: Synthesis, characterization and use in hydrogen production**
ŞAHİNER N., Turhan T., LYON L. A.
ENERGY, cilt.66, ss.256-263, 2014 (SCI-Expanded)
- CCXXXIV. **A discrete gravitational search algorithm for solving combinatorial optimization problems**
Dowlatshahi M. B., Nezamabadi-Pour H., Mashinchi M.
INFORMATION SCIENCES, cilt.258, ss.94-107, 2014 (SCI-Expanded)
- CCXXXV. **The use of poly(vinyl phosphonic acid) microgels for the preparation of inherently magnetic Co metal catalyst particles in hydrogen production**
ŞAHİNER N., SAGBAS S.
JOURNAL OF POWER SOURCES, cilt.246, ss.55-62, 2014 (SCI-Expanded)
- CCXXXVI. **Energy and environmental usage of super porous poly(2-acrylamido-2-methyl-1-propan sulfonic acid) cryogel support**
ŞAHİNER N., Seven F.
RSC ADVANCES, cilt.4, sa.45, ss.23886-23897, 2014 (SCI-Expanded)
- CCXXXVII. **Preparation of Poly(Humic Acid) Particles and Their Use in Toxic Organo-Phenolic Compound Removal from Aqueous Environments**
Sağbaşı S., KANTAR Ç., ŞAHİNER N.
WATER AIR AND SOIL POLLUTION, cilt.225, sa.1, 2014 (SCI-Expanded)
- CCXXXVIII. **Metal ion-imprinted hydrogel with magnetic properties and enhanced catalytic performances in hydrolysis of NaBH₄ and NH₃BH₃**
Seven F., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.38, sa.35, ss.15275-15284, 2013 (SCI-Expanded)
- CCXXXIX. **Preparation of poly(ethylene imine) particles for versatile applications**
ŞAHİNER N.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.433, ss.212-218, 2013 (SCI-Expanded)
- CCXL. **Soft and flexible hydrogel templates of different sizes and various functionalities for metal nanoparticle preparation and their use in catalysis**
Sahiner N.
PROGRESS IN POLYMER SCIENCE, cilt.38, sa.9, ss.1329-1356, 2013 (SCI-Expanded)
- CCXLI. **The generation of desired functional groups on poly(4-vinyl pyridine) particles by post-modification technique for antimicrobial and environmental applications**
ŞAHİNER N., Yasar A. O.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.402, ss.327-333, 2013 (SCI-Expanded)
- CCXLII. **Versatile p(3-sulfopropyl methacrylate) hydrogel reactor for the preparation of Co, Ni nanoparticles and their use in hydrogen production**
Turhan T., Güvenilir F. Y., ŞAHİNER N.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, cilt.19, sa.4, ss.1218-1225, 2013 (SCI-Expanded)
- CCXLIII. **Synthesis and modification of p(VI) microgels for in situ metal nanoparticle preparation and their use as catalyst for hydrogen generation from NaBH₄ hydrolysis**
Sahiner N., Yasar A. O.
FUEL PROCESSING TECHNOLOGY, cilt.111, ss.14-21, 2013 (SCI-Expanded)
- CCXLIV. **Micro poly(3-sulfopropyl methacrylate) hydrogel synthesis for in situ metal nanoparticle preparation and hydrogen generation from hydrolysis of NaBH₄**
Turhan T., Güvenilir F. Y., ŞAHİNER N.
ENERGY, cilt.55, ss.511-518, 2013 (SCI-Expanded)
- CCXLV. **Metal nanoparticle preparation within modifiable p(4-VP) microgels and their use in hydrogen production from NaBH₄ hydrolysis**
ŞAHİNER N., YASAR A. O.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.38, sa.16, ss.6736-6743, 2013 (SCI-Expanded)

- CCXLVI. **Biochar-Embedded Soft Hydrogel and Their Use in Ag Nanoparticle Preparation and Reduction of 4-Nitro Phenol**
ŞAHİNER N., Karakoyun N., ALPASLAN D., Aktaş N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, cilt.62, sa.11, ss.590-595, 2013 (SCI-Expanded)
- CCXLVII. **The preparation of poly(vinyl phosphonic acid) hydrogels as new functional materials for in situ metal nanoparticle preparation**
ŞAHİNER N., Sağbaş S.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.418, ss.76-83, 2013 (SCI-Expanded)
- CCXLVIII. **Poly(acrylamide-co-vinyl sulfonic acid) p(AAm-co-VSA) hydrogel templates for Co and Ni metal nanoparticle preparation and their use in hydrogen production**
Seven F., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.38, sa.2, ss.777-784, 2013 (SCI-Expanded)
- CCXLIX. **Reusable Soft Hydrogels for Gold Recovery from Acidic Environments**
ŞAHİNER N., Karakoyun N., Şahan T., Bütün S., Aktaş N.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.48, sa.5, ss.805-812, 2013 (SCI-Expanded)
- CCL. **The Removal of Cyanide Ions from Aquatic Environments by Quaternizable p(4-VP) Hydrogels of Different Dimensions**
ŞAHİNER N., Özay Ö., Aktaş N.
WATER AIR AND SOIL POLLUTION, cilt.224, sa.1, 2013 (SCI-Expanded)
- CCLI. **A novel p(AAm-co-VPA) hydrogel for the Co and Ni nanoparticle preparation and their use in hydrogel generation from NaBH₄**
Sağbaş S., ŞAHİNER N.
FUEL PROCESSING TECHNOLOGY, cilt.104, ss.31-36, 2012 (SCI-Expanded)
- CCLII. **Tunable poly(2-acrylamido-2-methyl-1-propan sulfonic acid) based microgels with better catalytic performances for Co and Ni nanoparticle preparation and their use in hydrogen generation from NaBH₄**
Sağbaş S., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.37, sa.24, ss.18944-18951, 2012 (SCI-Expanded)
- CCLIII. **p(AAGA) hydrogel reactor for in situ Co and Ni nanoparticle preparation and use in hydrogen generation from the hydrolysis of sodium borohydride**
ŞAHİNER N., Bütün S., Turhan T.
CHEMICAL ENGINEERING SCIENCE, cilt.82, ss.114-120, 2012 (SCI-Expanded)
- CCLIV. **Porous and modified HA particles as potential drug delivery systems**
ŞAHİNER N., SILAN C., SAĞBAŞ S., İLGİN P., BÜTÜN S., ERDUĞAN H., Ayyala R. S.
MICROPOROUS AND MESOPOROUS MATERIALS, cilt.155, ss.124-130, 2012 (SCI-Expanded)
- CCLV. **Enhanced Catalytic Activity in the Reduction of 4-Nitrophenol and 2-Nitrophenol by p(AMPS)-Cu(0) Hydrogel Composite Materials**
ŞAHİNER N., ÖZAY Ö.
CURRENT NANOSCIENCE, cilt.8, sa.3, ss.367-374, 2012 (SCI-Expanded)
- CCLVI. **Utilization of Smart Hydrogel-Metal Composites as Catalysis Media**
ŞAHİNER N., Butun S., ÖZAY Ö., Dibek B.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.373, ss.122-128, 2012 (SCI-Expanded)
- CCLVII. **Modifiable chemically crosslinked poli(kappa-carrageenan) particles**
Sağbaş S., Bütün S., ŞAHİNER N.
CARBOHYDRATE POLYMERS, cilt.87, sa.4, ss.2718-2724, 2012 (SCI-Expanded)
- CCLVIII. **Soft hydrogels for dual use: Template for metal nanoparticle synthesis and a reactor in the reduction of nitrophenols**
ŞAHİNER N., Kaynak A., Butun S.
JOURNAL OF NON-CRYSTALLINE SOLIDS, cilt.358, sa.4, ss.758-764, 2012 (SCI-Expanded)

- CCLIX. **Novel hydrogel particles and their IPN films as drug delivery systems with antibacterial properties**
SILAN C., AKÇALI A., Otkun M. T., Ozbey N., Butun S., ÖZAY Ö., ŞAHİNER N.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.89, ss.248-253, 2012 (SCI-Expanded)
- CCLX. **Highly Porous Acrylonitrile-Based Submicron Particles for UO₂²⁺ Absorption in an immunosensor Assay**
Sahiner N., Yu H., Tan G., He J., John V. T., Blake D. A.
ACS APPLIED MATERIALS & INTERFACES, cilt.4, sa.1, ss.163-170, 2012 (SCI-Expanded)
- CCLXI. **The utilization smart hydrogels and composites with controllable porosity in the preparation of metal nanocatalyst**
ŞAHİNER N., ÖZAY Ö., SAĞBAŞ SUNER S., YAŞAR A. Ö., AKTAŞ N.
NANOTECHNOLOGY, cilt.3, ss.591-594, 2012 (SCI-Expanded)
- CCLXII. **Controllable hydrogen generation by use smart hydrogel reactor containing Ru nano catalyst and magnetic iron nanoparticles**
ŞAHİNER N., ÖZAY Ö., Inger E., Aktaş N.
JOURNAL OF POWER SOURCES, cilt.196, sa.23, ss.10105-10111, 2011 (SCI-Expanded)
- CCLXIII. **P(4-vinyl pyridine) hydrogel use for the removal of UO₂²⁺ and Th⁴⁺ from aqueous environments**
Özay Ö., Ekici S., Aktaş N., Şahiner N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.92, sa.12, ss.3121-3129, 2011 (SCI-Expanded)
- CCLXIV. **The on demand generation of hydrogen from Co-Ni bimetallic nano catalyst prepared by dual use of hydrogel: As template and as reactor**
ŞAHİNER N., ÖZAY Ö., Aktaş N., Inger E., He J.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.23, ss.15250-15258, 2011 (SCI-Expanded)
- CCLXV. **Aromatic organic contaminant removal from an aqueous environment by p(4-VP)-based materials**
Şahiner N., Özay Ö., Aktaş N.
CHEMOSPHERE, cilt.85, sa.5, ss.832-838, 2011 (SCI-Expanded)
- CCLXVI. **Hydrogel-Biochar composites for effective organic contaminant removal from aqueous media**
Karakoyun N., Kubilay Ş., Aktaş N., Turhan O., Kasimoglu M., YILMAZ S., Sahiner N.
DESALINATION, cilt.280, ss.319-325, 2011 (SCI-Expanded)
- CCLXVII. **Arsenic (V) removal with modifiable bulk and nano p(4-vinylpyridine)-based hydrogels: The effect of hydrogel sizes and quarternization agents**
Şahiner N., Özay Ö., Aktaş N., Blake D. A., John V. T.
DESALINATION, cilt.279, ss.344-352, 2011 (SCI-Expanded)
- CCLXVIII. **A versatile hydrogel template for metal nano particle preparation and their use in catalysis**
bütün S., ŞAHİNER N.
POLYMER, cilt.52, sa.21, ss.4834-4840, 2011 (SCI-Expanded)
- CCLXIX. **Hydrogel templated CdS quantum dots synthesis and their characterization**
ŞAHİNER N., SEL K., Meral K., ONGANER Y., Butun S., ÖZAY Ö., SILAN C.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.389, ss.6-11, 2011 (SCI-Expanded)
- CCLXX. **One-step fabrication of biocompatible carboxymethyl cellulose polymeric particles for drug delivery systems**
BÜTÜN S., İNCE F. G., ERDUĞAN H., ŞAHİNER N.
CARBOHYDRATE POLYMERS, cilt.86, sa.2, ss.636-643, 2011 (SCI-Expanded)
- CCLXXI. **Hydrogel particles with core shell morphology for versatile applications: Environmental, biomedical and catalysis**
ŞAHİNER N., BUTUN S., Ilgin P.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.386, ss.16-24, 2011 (SCI-Expanded)
- CCLXXII. **Hydrogen production from ammonia borane via hydrogel template synthesized Cu, Ni, Co composites**
Özay Ö., Inger E., Aktaş N., Şahiner N.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.14, ss.8209-8216, 2011 (SCI-Expanded)
- CCLXXIII. **4-Vinylpyridine-Based Smart Nanoparticles with N-Isopropylacrylamide, 2-Hydroxyethyl Methacrylate, Acrylic acid, and Methacrylic Acid for Potential Biomedical Applications**
ŞAHİNER N., ÖZAY Ö., Aktaş N.
CURRENT NANOSCIENCE, cilt.7, sa.3, ss.453-462, 2011 (SCI-Expanded)
- CCLXXIV. **Highly charged p(4-vinylpyridine-co-vinylimidazole) particles for versatile applications: Biomedical, catalysis and environmental**
ŞAHİNER N., ÖZAY Ö.
REACTIVE & FUNCTIONAL POLYMERS, cilt.71, sa.6, ss.607-615, 2011 (SCI-Expanded)
- CCLXXV. **Soft hydrogel particles with high functional value**
ŞAHİNER N., Butun S., Ilgin P.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.381, ss.74-84, 2011 (SCI-Expanded)
- CCLXXVI. **Hyaluronic acid hydrogel particles with tunable charges as potential drug delivery devices**
EKİCİ S., ILGIN P., BUTUN S., ŞAHİNER N.
CARBOHYDRATE POLYMERS, cilt.84, sa.4, ss.1306-1313, 2011 (SCI-Expanded)
- CCLXXVII. **Responsive tunable colloidal soft materials based on p(4-VP) for potential biomedical and environmental applications**
ŞAHİNER N., ÖZAY Ö.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.378, ss.50-59, 2011 (SCI-Expanded)
- :CLXXVIII. **Superabsorbent hydrogels for cobalt nanoparticle synthesis and hydrogen production from hydrolysis of sodium boron hydride**
ŞAHİNER N., ÖZAY Ö., Inger E., Aktaş N.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.102, ss.201-206, 2011 (SCI-Expanded)
- CCLXXIX. **Hydrogel assisted nickel nanoparticle synthesis and their use in hydrogen production from sodium boron hydride**
ÖZAY Ö., Aktaş N., Inger E., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.36, sa.3, ss.1998-2006, 2011 (SCI-Expanded)
- CCLXXX. **Hydrogels as a Potential Chromatographic System: Absorption, Speciation, and Separation of Chromium Species from Aqueous Media**
ÖZAY Ö., Aktaş N., ŞAHİNER N.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.46, sa.9, ss.1450-1461, 2011 (SCI-Expanded)
- CCLXXXI. **Temperature and magnetic field responsive hyaluronic acid particles with tunable physical and chemical properties**
EKİCİ S., ILGIN P., YILMAZ S., Aktaş N., ŞAHİNER N.
APPLIED SURFACE SCIENCE, cilt.257, sa.7, ss.2669-2676, 2011 (SCI-Expanded)
- CCLXXXII. **Utilization of Environmentally Benign Hydrogels and Their Networks as Reactor Media in the Catalytic Reduction of Nitrophenols**
ÖZAY H., Kubilay Ş., Aktaş N., ŞAHİNER N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, cilt.60, sa.2, ss.163-173, 2011 (SCI-Expanded)
- :CLXXXIII. **A soft hydrogel reactor for cobalt nanoparticle preparation and use in the reduction of nitrophenols**
ŞAHİNER N., ÖZAY H., ÖZAY Ö., Aktaş N.
APPLIED CATALYSIS B-ENVIRONMENTAL, cilt.101, ss.137-143, 2010 (SCI-Expanded)
- :CLXXXIV. **Synthesis and Characterization of Soft Polymeric Nanoparticles and Composites with Tunable Properties**
ŞAHİNER N., Ilgin P.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.48, sa.22, ss.5239-5246, 2010 (SCI-Expanded)
- CCLXXXV. **Colloidal drug carriers from (sub)micron hyaluronic acid hydrogel particles with tunable properties for biomedical applications**
ILGIN P., AVCI G., SILAN C., EKİCİ S., Aktaş N., Ayyala R. S., JOHN V. T., ŞAHİNER N.

- CARBOHYDRATE POLYMERS, cilt.82, sa.3, ss.997-1003, 2010 (SCI-Expanded)
- CLXXXVI. **Soft Core-Shell Polymeric Nanoparticles with Magnetic Property for Potential Guided Drug Delivery**
ŞAHİNER N., İlgin P.
CURRENT NANOSCIENCE, cilt.6, sa.5, ss.483-491, 2010 (SCI-Expanded)
- CLXXXVII. **Utilization of magnetic hydrogels in the separation of toxic metal ions from aqueous environments**
Özay Ö., Ekici S., Baran Y., Kubilay Ş., Aktaş N., Şahiner N.
DESALINATION, cilt.260, ss.57-64, 2010 (SCI-Expanded)
- LXXXVIII. **P(4-VP) based nanoparticles and composites with dual action as antimicrobial materials**
Özay Ö., Akçalı A., Otkun M. T., Silan C., Aktaş N., Şahiner N.
COLLOIDS AND SURFACES B-BIOINTERFACES, cilt.79, sa.2, ss.460-466, 2010 (SCI-Expanded)
- CLXXXIX. **New catalytic route: Hydrogels as templates and reactors for in situ Ni nanoparticle synthesis and usage in the reduction of 2-and 4-nitrophenols**
ŞAHİNER N., ÖZAY H., ÖZAY Ö., Aktaş N.
APPLIED CATALYSIS A-GENERAL, cilt.385, ss.201-207, 2010 (SCI-Expanded)
- CCXC. **Optimization of removal conditions of copper ions from aqueous solutions by Trametes versicolor**
Şahan T., Ceylan H., ŞAHİNER N., Aktaş N.
BIORESOURCING TECHNOLOGY, cilt.101, sa.12, ss.4520-4526, 2010 (SCI-Expanded)
- CCXCI. **Multiresponsive polymeric particles with tunable morphology and properties based on acrylonitrile (AN) and 4-vinylpyridine (4-VP)**
ŞAHİNER N., İlgin P.
POLYMER, cilt.51, sa.14, ss.3156-3163, 2010 (SCI-Expanded)
- CCXCII. **Removal of toxic metal ions with magnetic hydrogels**
Özay Ö., Ekici S., Baran Y., Aktaş N., Şahiner N.
WATER RESEARCH, cilt.43, sa.17, ss.4403-4411, 2009 (SCI-Expanded)
- CCXCIII. **Magnetic hydrogel syntheses and their applications in the environment for the removal of toxic metal ions**
Özay Ö., Önder A., Şahan T., Aktaş N., Baran Y., John V. T., Şahiner N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCIV. **COLL 246-Hyaluronic acid hydrogel particles with micron and nano dimensions and their applications in drug delivery**
İLGİN P., ÖZAY H., Aktaş N., John V. T., Blake D. A., Ayyala R. S., ŞAHİNER N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCV. **COLL 490-Colloidal p(4-VP) particles and composites for biomedical application**
ÖZAY Ö., Aktaş N., Dülger B., SILAN C., John V. T., ŞAHİNER N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCVI. **Complexation of some pendant arm tetraazamacrocycles of Cu(II) and Co(II): Structural, thermodynamic and kinetic studies**
Baran Y., ÖZAY H., Aktaş N., Miyamae H., ŞAHİNER N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCVII. **Hydrogel networks for metal nanoparticle syntheses and their applications in catalysis**
ÖZAY H., Aktaş N., Baran Y., John V. T., ŞAHİNER N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCVIII. **POLY 545-Modifiable hydrogel particles based on acrylonitrile core and various shells**
İLGİN P., John V. T., ŞAHİNER N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCIX. **Creation of a Drug-Coated Glaucoma Drainage Device Using Polymer Technology**
ŞAHİNER N., Kravitz D. J., Qadir R., Blake D. A., Haque S., John V. T., Margo C. E., Ayyala R. S.
ARCHIVES OF OPHTHALMOLOGY, cilt.127, sa.4, ss.448-453, 2009 (SCI-Expanded)
- CCC. **A Facile Method for the Preparation of Poly(4-vinylpyridine) Nanoparticles and their Characterization**
Şahiner N.

- TURKISH JOURNAL OF CHEMISTRY, cilt.33, sa.1, ss.23-31, 2009 (SCI-Expanded)
- CCCI. **Cationic hydrogels for toxic arsenate removal from aqueous environment**
Barakat M. A., Sahiner N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.88, sa.4, ss.955-961, 2008 (SCI-Expanded)
- CCCII. **An approach for prediction of optimum reaction conditions for laccase-catalyzed bio-transformation of 1-naphthol by response surface methodology (RSM)**
Ceylan H., Kubilay Ş., Aktaş N., ŞAHİNER N.
BIORESOURTE TECHNOLOGY, cilt.99, sa.6, ss.2025-2031, 2008 (SCI-Expanded)
- CCCIII. **Hydrogels of versatile size and architecture for effective environmental applications**
Sahiner N.
TURKISH JOURNAL OF CHEMISTRY, cilt.32, sa.1, ss.113-123, 2008 (SCI-Expanded)
- CCCIV. **One-step synthesis of hyaluronic acid-based (sub)micron hydrogel particles: Process optimization and preliminary characterization**
ŞAHİNER N., Ja X.
TURKISH JOURNAL OF CHEMISTRY, cilt.32, sa.4, ss.397-409, 2008 (SCI-Expanded)
- CCCIV. **Hydrogel nanonetworks with functional core-shell structure**
Sahiner N.
EUROPEAN POLYMER JOURNAL, cilt.43, sa.5, ss.1709-1717, 2007 (SCI-Expanded)
- CCCVI. **In situ micro/nano-hydrogel synthesis from acrylamide derivates with lecithin organogel system**
Sahiner N., Singh M.
POLYMER, cilt.48, sa.10, ss.2827-2834, 2007 (SCI-Expanded)
- CCCVII. **Colloidal nanocomposite hydrogel particles**
Sahiner N.
COLLOID AND POLYMER SCIENCE, cilt.285, sa.4, ss.413-421, 2007 (SCI-Expanded)
- CCCVIII. **Controlled release from a nanocarrier entrapped within a microcarrier**
Rojas E. C., Sahiner N., Lawson L., John V. T., Papadopoulos K. D.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, cilt.301, sa.2, ss.617-623, 2006 (SCI-Expanded)
- CCCIX. **Glaucoma drainage devices: state of the art**
Ayyala R. S., Duarte J. L., Sahiner N.
EXPERT REVIEW OF MEDICAL DEVICES, cilt.3, sa.4, ss.509-521, 2006 (SCI-Expanded)
- CCCX. **Characterization of poly(N(hydroxymethyl)methacrylamide-ATU) hydrogels synthesized by gamma radiation**
Sahiner N., Celikbicak O., Malci S., Kantoglu O., Salih B.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.99, sa.4, ss.1657-1664, 2006 (SCI-Expanded)
- CCCXI. **Photopolymerization of acrylamide derivatives in polyelectrolyte microcapsules**
Lu Z., Shutava T., Sahiner N., John V., Lvov Y.
CHEMISTRY LETTERS, cilt.34, sa.11, ss.1536-1537, 2005 (SCI-Expanded)
- CCCXII. **Gold recovery onto poly(acrylamide-allylthiourea) hydrogels synthesized by treating with gamma radiation**
Kilic A. S., Malci S., ÇELİKBIÇAK Ö., Sahiner N., SALİH B.
ANALYTICA CHIMICA ACTA, cilt.547, sa.1, ss.18-25, 2005 (SCI-Expanded)
- CCCXIII. **The influence of preparation methods on the swelling and network properties of acrylamide hydrogels with crosslinkers**
Saraydin D., Karadag E., Isikver Y., Sahiner N., Guven O.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, sa.4, ss.419-431, 2004 (SCI-Expanded)
- CCCXIV. **Adsorption of some textile dyes onto crosslinked poly(N-vinylpyrrolidone)**
Ekici S., ISIKVER Y., SAHINER N., SARAYDIN D.
ADSORPTION SCIENCE & TECHNOLOGY, cilt.21, sa.7, ss.651-659, 2003 (SCI-Expanded)
- CCCXV. **Incorporation of malonic acid into acrylamide hydrogel by radiation technique and its effect on swelling behavior**

- Saraydin D., Karadag E., Sahiner N., Guven O.
JOURNAL OF MATERIALS SCIENCE, cilt.37, sa.15, ss.3217-3223, 2002 (SCI-Expanded)
- CCCXVI. **In vitro dynamic swelling behaviors of radiation synthesized polyacrylamide with crosslinkers in the simulated physiological body fluids**
Saraydin D., Isikver Y., Karadag E., Sahiner N., Guven O.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, cilt.187, sa.3, ss.340-344, 2002 (SCI-Expanded)
- CCCXVII. **Synthesis and characterization of N-vinylimidazole-ethyl methacrylate copolymers and determination of monomer reactivity ratios**
Pekel N., Sahiner N., Guven O., Rzaev Z.
EUROPEAN POLYMER JOURNAL, cilt.37, sa.12, ss.2443-2451, 2001 (SCI-Expanded)
- CCCXVIII. **Use of amidoximated acrylonitrile/N-vinyl 2-pyrrolidone interpenetrating polymer networks for uranyl ion adsorption from aqueous systems**
Pekel N., Sahiner N., GÜVEN O.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.81, sa.10, ss.2324-2329, 2001 (SCI-Expanded)
- CCCXIX. **Poly(hydroxamic acid) hydrogels from poly(acrylamide): preparation and characterization**
Isikver Y., Saraydin D., Sahiner N.
POLYMER BULLETIN, cilt.47, sa.1, ss.71-79, 2001 (SCI-Expanded)
- CCCXX. **Uranyl ion binding properties of poly(hydroxamic acid) hydrogels**
Saraydin D., Isikver Y., Sahiner N.
POLYMER BULLETIN, cilt.47, sa.1, ss.81-89, 2001 (SCI-Expanded)
- CCCXXI. **Radiation induced acrylamide/citric acid hydrogels and their swelling behaviors**
Karadag E., Saraydin D., Sahiner N., Guven O.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, cilt.38, sa.11, ss.1105-1121, 2001 (SCI-Expanded)
- CCCXXII. **Development of new chelating hydrogels based on N-vinyl imidazole and acrylonitrile**
Pekel N., Sahiner N., Guven O.
RADIATION PHYSICS AND CHEMISTRY, cilt.59, ss.485-491, 2000 (SCI-Expanded)
- CCCXXIII. **Radiation synthesis, characterization and amidoximation of N-vinyl-2-pyrrolidone/acrylonitrile interpenetrating polymer networks**
Şahiner N., Pekel N., Güven O.
Reactive and Functional Polymers, cilt.39, sa.2, ss.139-146, 1999 (SCI-Expanded)
- CCCXXIV. **Swelling and dye adsorption properties of radiation induced N-vinyl-2-pyrrolidone/acrylonitrile hydrogels**
Sahiner N., SARAYDIN D., KARADAĞ E., Guven O.
POLYMER BULLETIN, cilt.41, sa.3, ss.371-378, 1998 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Nontoxic Natural Polymeric Particle Vehicles Derived from Hyaluronic Acid and Mannitol as Mitomycin C Carriers for Bladder Cancer Treatment**
ŞAHİNER N., Ayyala R. S., SUNER S.
ACS Applied Bio Materials, cilt.5, sa.12, ss.5554-5566, 2022 (ESCI)
- II. **Nitrogen Doped Carbon-Dot Embedded Poly(lactic acid-co-glycolic acid) Composite Films for Potential Use in Food Packing Industry and Wound Dressing**
ŞAHİNER M., Ari B., Ram M. K., ŞAHİNER N.
JOURNAL OF COMPOSITES SCIENCE, cilt.6, sa.9, 2022 (ESCI)
- III. **Fungal Keratitis Treatment Using Drug-Loaded Hyaluronic Acid Microgels**
Ayyala R. S., Suner S., Bhethanabotla V. R., ŞAHİNER N.
ACS APPLIED BIO MATERIALS, 2022 (ESCI)

- IV. **Use of Heteroatom-Doped g-C₃N₄ Particles as Catalysts for Dehydrogenation of Sodium Borohydride in Methanol**
Demirci Ş., Şahiner N.
C-JOURNAL OF CARBON RESEARCH, cilt.8, sa.4, ss.53, 2022 (ESCI)
- V. **Poly(Vinylamine) Derived N-Doped C-Dots with Antimicrobial and Antibiofilm Activities**
SÜTEKİN S. D., ŞAHİNER M., Suner S. S., Demirci S., Guven O., ŞAHİNER N.
C-JOURNAL OF CARBON RESEARCH, cilt.7, sa.2, 2021 (ESCI)
- VI. **The use of titanium dioxide particles embedded in anionic hydrogel composite for photocatalytic degradation of methylene blue**
ARİ B., BÜTÜN ŞENGEL S., ŞAHİNER N.
SPE Polymers, cilt.2, sa.2, ss.97-109, 2021 (Hakemli Dergi)
- VII. **Enhanced enzymatic activity and stability by in situ entrapment of α -Glucosidase within super porous p(HEMA) cryogels during synthesis**
Demirci S., ŞAHİNER M., Yilmaz S., Karadag E., ŞAHİNER N.
Biotechnology Reports, cilt.28, 2020 (Scopus)
- VIII. **Micro and Nanogels for Biomedical Applications**
CAN M., GÜVEN O., ŞAHİNER N.
Haceteppe Journal of Biology and Chemistry, cilt.48, ss.407-424, 2020 (Hakemli Dergi)
- IX. **Nitrogen-Doped Arginine Carbon Dots and Its Metal Nanoparticle Composites as Antibacterial Agent**
Suner S., ŞAHİNER M., Ayyala R. S., Bhethanabotla V. R., ŞAHİNER N.
C-JOURNAL OF CARBON RESEARCH, cilt.6, sa.3, 2020 (ESCI)
- X. **Polymeric Composites Based on Carboxymethyl Cellulose Cryogel and Conductive Polymers: Synthesis and Characterization**
Demirci Ş., Sütekin S. D., Şahiner N.
Journal of Composites Science, cilt.4, ss.33, 2020 (ESCI)
- XI. **The Use of Conductive Polymers Embedded Macro Porous Pei and Ionic Liquid Form of Pei Cryogels for Potential Conductometric Sensor Application to CO₂**
Demirci Ş., Şahiner N.
Journal of Composites Science, cilt.4, sa.1, ss.27, 2020 (ESCI)
- XII. **Dekstran Kriyojellerinin Hazırlanması ve Bunların Bazı Uygulamaları**
Arı B., ŞAHİNER N.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.5, sa.2, ss.187-200, 2019 (Hakemli Dergi)
- XIII. **Preparation of Macrocorpus Carboxymethyl Cellulose Cryogels and Its Blood Compability**
ŞAHİNER N., SAĞBAŞ SUNER S., TOSUNOĞLU M.
MRS Advances, sa.4, 2019 (Scopus)
- XIV. **Yara Kaplama Malzemesi olarak Kollajen Esaslı Hidrojel Filmleri**
ŞAHİNER M., SAĞBAŞ SUNER S., TURAN A., ERDUĞAN H., ŞAHİNER N.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.4, sa.2, ss.103-116, 2018 (Hakemli Dergi)
- XV. **Degradable natural phenolic based particles with micro-and nano-size range**
Şahiner N., Sağbas S., ŞAHİNER M., Aktaş N.
Recent Patents on Materials Science, cilt.11, sa.1, ss.33-40, 2018 (Scopus)
- XVI. **Microgels Derived from Different Forms of Carrageenans, Kappa, Iota, and Lambda for Biomedical Applications**
ŞAHİNER N., Sağbaş S., YILMAZ S.
MRS ADVANCES, cilt.2, sa.47, ss.2521-2527, 2017 (ESCI)
- XVII. **Sentetik Gübre Yükleme ve Salım İçin Hidrojel Kil Kompozitler Hydrogel Clay Composites for Synthetic Fertilizer Loading and Releasing**
ŞAHİN D., ALPASLAN D., ERŞEN DUDU T., AKTAŞ N., ÖZTÜRK Ö. F., ŞAHİNER N.
CANAKKALE ONSEKİZ MART UNIVERSITY JOURNAL of GRADUATE SCHOOL of NATURAL and APPLIED SCIENCES, cilt.1, ss.39-64, 2015 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Carbohydrate-Derived Tailorable Interfaces: Recent Advances and Applications**
Can M., Şahiner N.
Nano Medicine and Nano Safety, Malay K. Das, Yashwant V. Pathak, Editör, Springer, London/Berlin , Singapore, ss.313-346, 2020
- II. **Tunable Biopolymeric Drug Carrier Nanovehicles and Their Safety**
Sağbaşı Suner S., Ari B., Demirci Ş., Şahiner N.
Nano Medicine and Nano Safety, Malay K. Das, Yashwant V. Pathak, Editör, Springer, London/Berlin , Singapore, ss.405-432, 2020
- III. **22 - Carbon dots: preparation, properties, and application**
SUNER S. S., ŞAHİNER N.
Nanocarbon and its Composites, Khan A., Jawaid M., Inamuddin, Asiri A. M., Editör, Woodhead Publishing Barron's Educational Series, Inc., - , ss.651-676, 2019
- IV. **Responsive biopolymer-based microgels/nanogels for drug delivery applications**
Sağbaşı S., ŞAHİNER M., BUTUN SENDEL S., J REEDS D., REED F. W., ŞAHİNER N.
Stimuli Responsive Polymeric Nanocarriers for Drug Delivery Applications., , Editör, Woodhead publishing, ss.453-500, 2018
- V. **0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**
BÜTÜN ŞENDEL S., Demirci S., Yasar A. O., Sagbas S., Aktas N., ŞAHİNER N.
Studies in Surface Science and Catalysis, , Editör, Elsevier, ss.317-357, 2017
- VI. **Biyokütle Enerjisi**
Tarhan İ., Yüksel B., Demircan O., Özmetin C., Türkes M., Sümer S. K., Yiğit M., Baysal H., Şahiner N., İlten N., et al.
TR22 Güney Marmara Bölgesi Yenilenebilir Enerji Araştırması Sonuç Raporu, Prof. Dr. İsmail TARHAN, Prof. Dr. Bedri YÜKSEL, Editör, GMKA, Balıkesir, ss.70-96, 2013

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Effects of Single-, Dual-, and Multi-Heteroatom Doping on Photodynamic Antimicrobial Activities of Carbon Dots**
SAĞBAŞ SUNER S., DEMİRCİ Ş., ŞAHİNER M., AKÇALI A., ŞAHİNER N.
266th National Fall Meeting of the American Chemical Society (ACS), 13 - 17 Ağustos 2023
- II. **The use of superporous poly(2-acrylamido-2-methyl-1-propane sulfonic acid-co-4-vinylpyridine) cryogel as catalyst system for hydrogen production from sodium borohydride**
ARİ B., DEMİRCİ Ş., ŞAHİNER N.
6th International Hydrogen Technologies Congress, Çanakkale, Türkiye, 23 Ocak 2022
- III. **POLY(2-AMINOETHYL METHACRYLATE) BASED MICROGELS CATALYST SYSTEM TO BE USED IN HYDROLYSIS AND METHANOLYSIS OF NABH₄ FOR H₂ GENERATION**
DEMİRCİ Ş., SÜTEKİN S. D., GÜVEN O., ŞAHİNER N.
6th International Hydrogen Technologies Congress, Çanakkale, Türkiye, 23 Ocak 2022
- IV. **The adsorption study of oleuropein using functionalized Halloysite Nanotubes as adsorbents**
SAĞBAŞ SUNER S., DEMİRCİ Ş., TOKAY F., BAĞDAT S., YILMAZ S., ŞAHİNER N.
8th International Conference on New Trends in Chemistry, GAZİ MAGOSA, Kıbrıs (Kktc), 16 Mayıs 2022
- V. **Recent Developments in eEF2 Kinase Inhibitors**
AY M., CÖMERT ÖNDER F., KANDEMİR H., TAŞKIN TOK T., BELLUR ATICI E., TATAR G., KARLIĞA B., ÇAĞIR A., ŞAHİNER N., ÖZPOLAT B.
International Conference on PharmScienceResearch Development, Paris, Fransa, 4 - 06 Mart 2019, ss.25-26
- VI. **Synthesis of 2-Aminoethylphosphonic Acid-Functionalized Graphene Quantum Dots and Their Applications in Molecular Biology**
YAPAR G., YILDIZ M., ŞAHİNER N., DEMİR N., YILDIRIM N., ÜNVER H., BOYACIOĞLU B.

4th Organic Chemistry Congress, 4 - 07 Ekim 2018, ss.147

- VII. **Preparation, Characterization and Biological Application of Palladium Nanoparticles (PdNps) Based on Nitrogen-Doped Graphene Quantum Dots (GQDs)**
YAPAR G., YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİR N., ÜNVER H., BOYACIOĞLU B.
4th Organic Chemistry Congress, 4 - 07 Ekim 2018, ss.148
- VIII. **Biyomedikal Uygulamalar İçin Aminoasit Esaslı Karbon Dotların Sentezi, Polietilenimin İle Modifikasyonu Ve Karakterizasyonu**
Sağbaş S., Arı B., Silan C., Şahiner N.
Uluslararası katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Türkiye, 9 - 12 Ekim 2018, ss.123
- IX. **The Use of Modified GMA-g-PE/PP-NWF as Catalyst For H₂ Production**
ŞAHİNER M., ARI B., SERDAR K., DEMİRCİ Ş., KAVAKLI C., AKKAŞ KAVAKLI P., ŞAHİNER N.
7th International Technical Textiles Congress, 10 - 12 Ekim 2018
- X. **Modified Nonwoven Cotton Fabric With Antimicrobial Properties**
ŞAHİNER M., ARI B., SERDAR K., SAĞBAŞ S., AKKAŞ KAVAKLI P., KAVAKLI C., ŞAHİNER N.
7th International Technical Textiles Congress, 10 - 12 Ekim 2018
- XI. **Gözenekli, Manyetik ve Modifiye Edilmiş P(inülin) Mikro Partiküllerinin Karakterizasyonu ve İlaç Salınım Sistemlerinde Kullanılması**
SAĞBAŞ S., ŞAHİNER N., SILAN C.
V. Ulusal Polimer Bilim ve Teknolojisi Kongresi, 5-8 Eylül 2012, Çanakkale, Türkiye, 5 - 08 Eylül 2012
- XII. **Preparation of Modifiable Poly(Lactose) Microgels as Biomaterials**
CAN M., SAHİNER M., SAĞBAŞ S., ŞAHİNER N.
VII. Polimer Bilim ve Teknoloji Kongresi, 9-12 Eylül 2018, Eskişehir, Türkiye., 9 - 12 Eylül 2018
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ARI B., SAĞBAŞ S., SILAN C., ŞAHİNER N.
VII. Polimer Bilim ve Teknoloji Kongresi, 9-12 Eylül 2018, Eskişehir, Türkiye, 9 - 12 Eylül 2018
- XIV. **Recent developments in microgel synthesis from biomolecules**
ŞAHİNER N.
VII. Polimer Bilim ve Teknoloji Kongresi, 9-12 Eylül 2018, Eskişehir, Türkiye., 9 - 12 Eylül 2018
- XV. **Synthesis of Poly(Maltose) Particles and Their Potential Biomedical Applications**
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VII. Polimer Bilim ve Teknoloji Kongresi, 9-12 Eylül 2018, Eskişehir, Türkiye., 9 - 12 Eylül 2018
- XVI. **Biomedikal Uygulamalar için Gam Esaslı Mikrojellerin Sentezlenmesi ve Karakterizasyonu**
SAĞBAŞ S., ŞAHİNER N.
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YAPAR G., YILDIZ M., ŞAHİNER N., YILDIRIM N., ÜNVER H., BOYACIOĞLU B.
4th Organic Chemistry Congress, Antalya, Türkiye, 4 - 07 Ekim 2018
- XVIII. **Biyomedikal Uygulamalar için Gam Esaslı Mikrojellerin Sentezlenmesi ve Karakterizasyonu**
SAĞBAŞ SUNER S., ŞAHİNER N.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, 9 - 12 Eylül 2018
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CÖMERT ÖNDER F., SAĞBAŞ SUNER S., AY M., Ozpolat B., ŞAHİNER N.

255th National Spring Meeting of the American Chemical Society (ACS), NEW ORLEANS, Amerika Birleşik Devletleri, 18 - 22 Mart 2018

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255th National Spring Meeting of the American Chemical Society (ACS), 18 - 22 Mart 2018
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CÖMERT ÖNDER F., Sağbaş S., AY M., ÖZPOLAT B., ŞAHİNER N.
255th ACS National Meeting, New Orleans, LA., New Orleans, Amerika Birleşik Devletleri, 18 - 22 Mart 2018, ss.2855825
- XXIV. **Amino acid derived multifunctional N-, S-doped carbon dots for biomedical applications**
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255th National Spring Meeting of the American Chemical Society (ACS), 18 - 22 Mart 2018
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ACS, New Orleans, Amerika Birleşik Devletleri, 13 Mart 2018
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CÖMERT ÖNDER F., SAĞBAŞ SUNER S., AY M., Ozpolat B., ŞAHİNER N.
255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, Amerika Birleşik Devletleri, 18 - 22 Mart 2018, cilt.255
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255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, Amerika Birleşik Devletleri, 18 - 22 Mart 2018, cilt.255
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255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, Amerika Birleşik Devletleri, 18 - 22 Mart 2018, cilt.255
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Sağbaş S., SILAN C., ŞAHİNER N.
255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, Amerika Birleşik Devletleri, 18 - 22 Mart 2018, cilt.255
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255th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nexus of Food, Energy, and Water, Louisiana, Amerika Birleşik Devletleri, 18 - 22 Mart 2018, cilt.255
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MEYDAN E., ŞAHİNER N., ÖZTÜRK Ö. F.
3th International Turkish Congress on Molecular Spectroscopy-TURCMOS 2017, 26 - 29 Ağustos 2017
- XXXIV. **Nitro compounds reduction reaction with novel synthesized magnetic nanoparticles which are**

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MEYDAN E., ÖZTÜRK Ö. F., ŞAHİNER N.

3th International Turkish Congress on Molecular Spectroscopy-TURCMOS 2017, 26 - 29 Ağustos 2017

- XXXV. **Graphene oxide supported p(AAm)/PANI cryogel polymer composites and its potential sensor application to paraquat, glyphospahte, nitrophenol, methylene blue, methyl orange**
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CÖMERT ÖNDER F., SAĞBAŞ SUNER S., AY M., TAŞKIN TOK T., ÖZPOLAT B., ŞAHİNER N., KARLIĞA B., BELLUR ATICI E.
Global Conference On Pharmaceutics And Drug Delivery Systems, PDDS 2017, VALENSIYA, İspanya, 29 Haziran - 02 Temmuz 2017, ss.63
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22nd International biomedical science technolgy symposium. May 2017, Ankara turkey. Biomed 2017, 12 - 14 Mayıs 2017
- XXXVIII. **Functionalization of carbon particles by atom transfer radical polymerization**
ŞAHİNER N., BÜTÜN ŞENGEL S.
Materials Research Society Spring Meeting amp Exhibit, 17 - 21 Nisan 2017
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ŞAHİNER N., SAĞBAŞ S., YILMAZ S.
Materials Research Society Spring Meeting amp Exhibit, 17 - 21 Nisan 2017
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ŞAHİNER N., SAĞBAŞ S.
3 rd International Conference on IonicLiquids in Separation and Purification Technology, 8 Ocak - 11 Nisan 2017
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ŞAHİNER N., SAĞBAŞ S.
3 rd International Conference on IonicLiquids in Separation and Purification Technology, 8 Ocak - 11 Nisan 2017
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ŞAHİNER N., SAĞBAŞ S., YILMAZ S.
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253rd American Chemical Society National Meeting Exposition, San-Francisco, Kostarika, 2 - 06 Nisan 2017, ss.290
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253rd National Meeting of the American-Chemical-Society (ACS) on Advanced Materials, Technologies, Systems, and Processes, San-Francisco, Kostarika, 2 - 06 Nisan 2017, cilt.253
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ŞAHİNER N., Yasar A., CÖMERT ÖNDER F., AY M.
253rd National Meeting of the American-Chemical-Society (ACS) on Advanced Materials, Technologies, Systems, and Processes, San-Francisco, Kostarika, 2 - 06 Nisan 2017, cilt.253
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ŞAHİNER N., SAĞBAŞ SUNER S., Yılmaz S.
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SILAN C., Sağbaş S., ŞAHİNER N.
4th International Conference on Nanotechnology, 7 - 09 Kasım 2016
- L. **Degradable macro-, micro- and nano-sized natural phenolic based particles**
ŞAHİNER N., SAĞBAŞ SUNER S., ŞAHİNER M., AKTAŞ N.
4th International Conference on Nanotechnology in Medicine (NANOMED), 7 - 09 Kasım 2016
- LI. **Synthesis and Characterization of Novel Poly chloro polyethyleneimine phosphazene and Poly bis indole 3 carboxaldehyde phosphazene**
YILDIZ M., ŞAHİNER N.
ITWCCST-2016, 26 - 30 Ekim 2016
- LII. **Nematicidal effect of olive pomace on the Meloidogyne Incognita**
KAVDİR Y., GÖZEL U., ŞAHİNER N.
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KAVDİR Y., BODUR S., GÖZEL U., ŞAHİNER N., EKİNCİ K.
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- LIV. **Composting of three phase olive pomace by laboratory scaled otomatic controlled reactors**
KAVDİR Y., bodur s., GÖZEL U., ŞAHİNER N., EKİNCİ K.
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3th International Conference on Bio-based Polymers and Composites, 28 Ağustos - 01 Eylül 2016
- LVI. **Superporous HA cryogels embedding synthetic PEI microgels and HNT as natural Clays**
DEMİRCİ S., SAGBAS S., ŞAHİNER M., ŞAHİNER N.
Bipoco2016, 3rd International Conference on Bio-based Polymers and Composites, Szeged, Macaristan, 28 Ağustos 2016
- LVII. **Co Ni and Cu metal nanoparticle containing cationic p MTMA microgel composites as catalysts for H2 generation and nitro compound reduction**
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International Conference on Polymer Science and Engineering, New Orleance, Amerika Birleşik Devletleri, 22 - 24 Ağustos 2016
- LVIII. **Co Nİ and Cu metal nanoparticle containing cationic p MTMA microgel composites as catalyst for H2 generation and nitro compound reductions**
ÖZTÜRK Ö. F., İRİS E. R., ŞAHİNER N.
International Conference on Polymer Science and Engineering, 22 - 24 Ağustos 2016
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- ŞAHİNER N., SAĞBAŞ SUNER S., AKTAŞ N., ŞAHİNER M.
NanoSmat 2016, 11th Conference on Surfaces, Coatings and Nanostructured Materials, 18 - 20 Mayıs 2016
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ECOSS 30 European Conference on Surface Science, Antalya, Türkiye, 31 Ağustos - 05 Eylül 2014
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ŞAHİNER N., Nahit A.
8th ISANH Congress on Polyphenols Application, Lisbon, Portugal, 5 - 06 Haziran 2014
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ŞAHİNER N., SAĞBAŞ SUNER S., AKTAŞ N.
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- LXXXV. **The utilization smart hydrogels and composites with controllable porosity in the preparation of the metal nanocatalysis**
ŞAHİNER N., ÖZAY Ö., SELİN S., YAŞAR A., AKTAŞ N.
NSTI-Nanotech 2012, California, Amerika Birleşik Devletleri, 18 - 22 Haziran 2012, cilt.3, ss.591-594
- LXXXVI. **In situ preparation of various metal nanoparticles within hydrogel networks and their application in catalysis**
Sahiner N., Ozay O., Bütün S., DEMİR V., Dibek B., Aktas N., He J., John V. T.
241st National Meeting and Exposition of the American-Chemical-Society (ACS), California, Amerika Birleşik Devletleri, 27 - 31 Mart 2011, cilt.241

- LXXXVII. **Post modification of hyaluronic acid based particles and composites for biomedical applications**
ILGIN P., EKİCİ S., AKTAŞ N., AVCI G., SILAN C., ŞAHİNER N.
Particles 2010- Medical/Biochemical Diagnostic, Pharmaceutical, and Drug Delivery Applications of Particle Technology, 22 - 25 Mayıs 2010
- LXXXVIII. **Magnetik Hidrojeller İle Sulu Ortamlardan Metal Türlerinin Seçimli Uzaklaştırılması**
ÖZAY Ö., ŞAHİNER N.
3. Ulusal Polimer Bilim ve Teknoloji Kongresi, Kocaeli, Türkiye, 12 - 14 Mayıs 2010, ss.140
- LXXXIX. **Magnetik Partikül İçeren Hidrojellerin Çevre Uygulamaları**
ÖZAY Ö., YAKUP B., ŞAHİNER N.
23. Ulusal Kimya Kongresi, Sivas, Türkiye, 16 - 20 Haziran 2009, ss.28
- XC. **Hidrojel Ağ Yapıları İçerisinde Metal Nanopartiküllerin Sentezi Ve Karakterizasyonu**
ÖZAY Ö., YAKUP B., ŞAHİNER N.
23. Ulusal Kimya Kongresi, Sivas, Türkiye, 16 - 20 Haziran 2009, ss.28
- XCI. **HİYALURONİK ASİT MİKRON VE NANO HİDROJEL PARTİKÜLLERİNİN SENTEZİ KARAKTERİZASYONU VE BİYOLOJİK ALANLARDAKİ UYGULAMALARI**
ILGIN P., ÖZAY H., ŞAHİNER N.
XXIII. ULUSAL KİMYA KONGRESİ, Türkiye, 16 - 20 Haziran 2009
- XCII. **HİYALURONİK ASİT PARTİKÜLLERİ İLE İLAÇ SALIM SİSTEMLERİ**
ÖZAY H., ILGIN P., ŞAHİNER N.
XXIII. ULUSAL KİMYA KONGRESİ, Türkiye, 16 - 20 Haziran 2009
- XCIII. **Poly 4 Vinylpyridine Based Nanoparticles for Removal of Cyanide**
ÖZAY Ö., AYDIN F., EKİCİ S., YAKUP B., VIJAY T J., ŞAHİNER N.
22. Ulusal Kimya Kongresi, Mağusa, Kıbrıs (Kkct), 6 - 10 Ekim 2008, ss.143
- XCIV. **In Situ Metal Nanoparticle Syntheses in Hydrogel Networks and Their Application in Catalysis and Environmental Remediation**
ÖZAY Ö., AYDIN F., EKİCİ S., YAKUP B., VIJAY T J., ŞAHİNER N.
22. Ulusal Kimya Kongresi, Mağusa, Kıbrıs (Kkct), 6 - 10 Ekim 2008, ss.1
- XCV. **Poly 4 vinylpyridine Based Nanoparticle Syntheses and Their Applications to Functional Materials**
ÖZAY Ö., AKTAŞ N., DÜLGER B., SİLAN C., VIJAY T J., ŞAHİNER N.
235th ACS National Meeting, New Orleans, Amerika Birleşik Devletleri, 6 - 10 Nisan 2008
- XCVI. **Poly(4-vinylpyridine) based nanoparticle synthesis and their applications to functional materials**
ÖZAY Ö., AYDIN F., EKİCİ S., YILDIZ M., ŞAHİNER N.
235th ACS National Meeting, New Orleans, LA, USA, New Orleans, LA, Amerika Birleşik Devletleri, 6 - 10 Nisan 2008, cilt.235, ss.489
- XCVII. **PMSE 489-Poly(4-vinylpyridine) based nanoparticle syntheses and their applications to functional materials**
ÖZAY Ö., AYDIN F., EKİCİ S., YILDIZ M., Baran Y., Tan G., John V. T., ŞAHİNER N.
235th American-Chemical-Society National Meeting, Louisiana, Amerika Birleşik Devletleri, 6 - 10 Nisan 2008, cilt.235
- XCVIII. **POLY 225-Acrylonitrile-based functional hydrogel particles**
ŞAHİNER N., Yu H., Tan G., He J., John V. T., Blake D. A.
235th American-Chemical-Society National Meeting, Louisiana, Amerika Birleşik Devletleri, 6 - 10 Nisan 2008, cilt.235

Desteklenen Projeler

ERDOĞAN H., GÜNGÖR B., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Neomisin Nano/mikro Partiküllerinin Sentezlenmesi Ve Oftalmik Uygulamalar İçin Potansiyel Antimikrobiyal Aktivitelerinin İncelenmesi, 2023 - Devam Ediyor
ŞAHİNER M., ŞAHİNER N., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Grafitik karbon nitürlerin sentezlenmesi polidopamin ile kaplanarak modifikasyonların yapılması ve çeşitli biyomedikal uygulamaları, 2022 - Devam Ediyor

ŞAHİNER N., SAĞBAŞ SUNER S., ŞAHİNER M., AKÇALI A., Yükseköğretim Kurumları Destekli Proje, Antibiyotik olarak Azot N Kükürt S ve Bor B katkılı Karbon kuantum partiküllerinin KKdotlarının antipatojenik etki ve mekanizmalarının belirlenmesi, 2022 - Devam Ediyor

YILDIZ M., ŞAHİNER N., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Fosfozen esaslı kovalent organik kafes yapılarının sentezi, karakterizasyonu, antibakteriyel ve katalitik uygulamaları, 2022 - 2024

Sağbaşı Suner S., Şahiner N., Silan C., Güngör B., Erdoğan H., Ünver Saraydın S., TÜBİTAK Projesi, Süperkritik Karbon Dioksit İle İlaç İmpregne Kontakt Lenslerin Hazırlanması Ve Keratit Tedavisinde Kullanımının Araştırılması, 2022 - 2024

GÜNGÖR B., ŞAHİNER M., ŞAHİNER N., DEMİRCİ Ş., SILAN C., Yükseköğretim Kurumları Destekli Proje, PoliMaltodekstrin NanoMikrojellerinin Sentezi Karakterizasyonu ve Biyomedikal Uygulamaları, 2022 - 2024

Yılmaz S., Şahiner N., Sağbaşı Suner S., Demirci Ş., Bağdat S., Tokay F., TÜBİTAK Projesi, Zeytin Karasuyundaki Fenolik Bileşiklerin Ayrılması İçin Doğal Kil Halloysit Nanotüp (HNT) Esaslı Malzemelerinin Geliştirilmesi, 2022 - 2024

ŞAHİNER N., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Heteroatom katkılanmış grafitik karbon nitrür yapılarının sentezi ve hidrojen üretimi için katalizör uygulamalarının araştırılması, 2022 - 2023

SAĞBAŞ SUNER S., ŞAHİNER N., ŞAHİNER M., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Süper makro gözenekli pullulan kriyojellerinin sentezi karakterizasyonu ve ilaç taşıma sistemleri olarak kullanım potansiyelleri, 2022 - 2023

Tunalı M., Ercan E., Şahiner N., Silan C., Yılmaz S., Yükseköğretim Kurumları Destekli Proje, Titanyum Trombositten Zengin Fibrinin Lokal İlaç Salınım Aracı Olarak Kullanımının Araştırılması, 2021 - 2023

ŞAHİNER N., Gizer S. G., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Merkaptosüksinik Asit ve Süksinik Asit Esaslı Metal Organik Kafes Yapılarının Sentezlenmesi ve Antibakteriyel Aktivitelerinin Araştırılması, 2021 - 2022

YILMAZ S., ŞAHİNER N., KURT S. B., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Kitosan Esaslı Fiberlerin Sentezi ve Biyomedikal Uygulamaları, 2021 - 2022

SAĞBAŞ SUNER S., ŞAHİNER N., ŞAHİNER M., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Kanser İlacı Yüklene Hiyaluronik Esaslı Polimerik Yapıların Antikanser Etkilerinin Araştırılması, 2021 - 2022

ŞAHİNER M., Demirci Ş., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Halloysit nanotüplerin dopamin ile kaplanarak modifikasyonu, 2021 - 2022

ŞAHİNER N., SÜTEKİN S. D., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Çevre, enerji ve biyomedikal uygulamalar için poli(2Aminoetil metakrilat) esaslı mikrojellerin sentezi ve karakterizasyonu, 2021 - 2022

ŞAHİNER N., CAN M., Yükseköğretim Kurumları Destekli Proje, Poli(laminarin) partiküllerinin hazırlanması ve biyomedikal uygulamalarının incelenmesi, 2020 - 2022

ŞAHİNER M., ŞAHİNER N., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Polivinil alkol/tannik asit kriyojellerin hazırlanması ve biyomedikal uygulamaları, 2020 - 2021

ŞAHİNER N., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Sentetik ve doğal polimerik gözenekli yapılar enzim immobilizasyonu ve biyoteknolojik uygulamaları, 2020 - 2021

SAĞBAŞ SUNER S., ŞAHİNER N., SÜTEKİN S. D., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Biyomedikal Uygulamalar için Poligalaktronik Asit Mikro/nanojellerinin Sentezlenmesi ve Karakterizasyonu, 2020 - 2021

ŞAHİNER N., Can M., Yükseköğretim Kurumları Destekli Proje, Biyomedikal uygulamalar için Kateşin-Lizin esaslı partiküllerinin sentezi karakterizasyonu ve ilaç salım sistemi olarak kullanımının araştırılması, 2020 - 2021

YILDIZ M., ŞAHİNER N., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Tetrafloroborat ve Hekzeflorofosfat İçeren Polietilenimin İyonik Sıvı Mikrojellerinin Hazırlanması ve Hidrojen Üretiminde Katalizör Olarak Kullanılması, 2020 - 2021

YILMAZ S., ŞAHİNER N., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Tannik asit partiküllerinin çok tabakalı polielektrolitler ile kaplanması ve karakterizasyonu, 2019 - 2021

SILAN C., TURAN A., ŞAHİNER N., KURT S. B., CAN M., Yükseköğretim Kurumları Destekli Proje, Mikro-nano boyutta elde edilen tannik asit polimerinin metotreksat hepatotoksitesine karşı koruyucu etkilerinin araştırılması, 2019 - 2021

ŞAHİNER N., Kurt S. B., Yükseköğretim Kurumları Destekli Proje, Elektro eğirme yöntemi ile hazırlanan polimerik fiberlerin biyomedikal ve sensör uygulamaları, 2019 - 2021

ŞAHİNER N., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, Selüloz doğal polimerinin hidrojen üretiminde katalizör olarak kullanımı, 2020 - 2020

ŞAHİNER N., Ari B., Yükseköğretim Kurumları Destekli Proje, Karragenan, İnülin ve Dekstran Kriyojellerinin Hazırlanması ve Bunların Biyomolekül Ayrımında Kullanımının Araştırılması, 2019 - 2020

ŞAHİNER M., ŞAHİNER N., SAĞBAŞ SUNER S., Yükseköğretim Kurumları Destekli Proje, Rutin partiküllerinin alfa

glikozidaz enzim aktivitesine etkisinin belirlenmesi, 2018 - 2019

ŞAHİNER N., YILDIZ M., YILMAZ S., Kurt S. B., CAN M., Yükseköğretim Kurumları Destekli Proje, Laktoz ve Maltoz Mikrojenlerinin Sentezi ve Karakterizasyonu, 2018 - 2019

SILAN C., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Doğal moleküllerden hazırlanan floresan özelliklere sahip Karbon noktaların Cd²⁺ hazırlanması ve biyomedikal alanda kullanılmasının araştırılması, 2018 - 2019

YILMAZ S., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Metildopanın Kantitatif Analizi İçin Elektrokimyasal Nanobiyosensörlerin Geliştirilmesi, 2018 - 2019

YILDIZ M., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Gözenekli karbon partiküllerinin hazırlanması karakterizasyonu ve katalizör uygulamaları, 2018 - 2019

AKÇALI A., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Doğal kil haloysit nanotüplerine antimikrobiyal etki kazandırılması, 2017 - 2018

ŞAHİNER N., SAĞBAŞ SUNER S., Yükseköğretim Kurumları Destekli Proje, Biyomedikal Uygulamalar İçin Ksantan Guar Arabik ve Locust Bean Gamlardan Makro Mikro ve Nano Yapılar, 2017 - 2018

ŞAHİNER N., BÜTÜN ŞENGEL S., Yükseköğretim Kurumları Destekli Proje, Azot fosfor ve kükürt içeren polimerik mikro ve nano partiküllerin sentezi ve çeşitli uygulamalarda kullanımları, 2017 - 2017

YILDIZ M., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Vanadyum krom antimon ve indiyum bazlı metal organik çerçevelerin sentezi ve karakterizasyonu, 2017 - 2017

ÖZTÜRK Ö. F., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, H₂ ÜRETİMİNDE METAL KATALİZÖRLERE ALTERNATİF OLARAK AMONYUM TÜREVİ POLİMERİK İYONİK SIVI MİKROJELLER, 2016 - 2017

YILMAZ S., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Biyomedikal uygulamalar için karragenan esaslı partiküller, 2016 - 2017

YILMAZ S., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, ÇEVRESEL UYGULAMALAR İÇİN İZOSİYANAT ESASLI ADSORBANLAR, 2016 - 2017

TOSUNOĞLU M., ŞAHİNER N., SILAN C., Yükseköğretim Kurumları Destekli Proje, Biyopolimerik malzemelerin kan uyumluluklarının araştırılması, 2016 - 2017

ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Mikrogranüler selüloz içeren pAAm esaslı hidrojenlerinin sentezi ve karakterizasyonu, 2016 - 2017

ERDUĞAN H., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Kollajen Esaslı Kompozit Malzemeler Potansiyel Sentetik Deri, 2015 - 2017

ÜLKER ÇAKIR D., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Poliünilin mikro ve nanojenlerinin kan uyumluluklarının tespiti, 2015 - 2016

ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, P(4-VP) ve P(VI) Esaslı Katyonik İyonik Sıvı Kriyojenler, 2015 - 2016

ŞAHİNER N., DEMİRCİ Ş., Yükseköğretim Kurumları Destekli Proje, PEI Mikrojenlerinin Hazırlanması ve Modifikasyonu, 2013 - 2016

YILMAZ S., YANIK S., DEMİRCİ Ş., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Hidrojenler ile Sulu Ortamlardan arsenik Uzaklaştırılması, 2014 - 2015

SEL K., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Değişik Boyalar Yüklü P(AMPS) Hidrojenlerinin Optik Özelliklerinin ve Elektriksel İletkenliklerinin İncelenmesi, 2014 - 2015

ŞAHİNER N., SAĞBAŞ S., Yükseköğretim Kurumları Destekli Proje, Yara kaplama ve ilaç salım sistemleri olarak kitosan esaslı polimerik kompozitler, 2014 - 2015

ŞAHİNER N., SEVEN F., Yükseköğretim Kurumları Destekli Proje, Kriyojenlerin Sentezi, Karakterizasyonu ve Bazı Uygulamaları, 2013 - 2014

Şahiner N., TÜBİTAK Projesi, Gözenekliliği kontrol edilebilen akıllı hidrojen ve kompozitleri içerisinde sentezlenen metal nano katalizörlerin hidrojen üretiminde kullanılmasının araştırılması, 2011 - 2013

Şahiner N., Diğer Resmi Kurumlarca Desteklenen Proje, Hidrojen nanokompozit partikülleri ile hızlı ve seçici olarak uranil iyonlarının ve bazı radyonüklidlerin kazanımı, 2010 - 2013

YILDIZ M., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, POLİFOSFAZEN İÇEREN NANO YAPILARIN SENTEZİ VE KARAKTERİZASYONU, 2011 - 2012

ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Biyopolimerlerden değişik boyutta ve özellikte partiküllerin hazırlanması, 2011 - 2012

ŞAHİNER N., ÖZAY Ö., Yükseköğretim Kurumları Destekli Proje, DEĞİŞİK BOYUTTA VE YAPIDA 4-VİNİLPİRİDİN (4-VP) ESASLI POLİMERİK MATERYALLER VE BUNLARIN UYGULAMA ALANLARININ ARAŞTIRILMASI, 2010 - 2012

ŞAHİNER N., ÖZAY Ö., Yükseköğretim Kurumları Destekli Proje, HİDROJELLER İLE KROM TÜRLENDİRİLMESİ, 2010 - 2011

Şahiner N., Özay Ö., Ekici S., Sanayi Tezleri Projesi, Değerli Metallerin Sulu Ortamlardan Seçimli Olarak Kazanımı İçin Polimerik Hidrojeller, 2009 - 2011

ŞAHİNER N., Diğer Resmi Kurumlarca Desteklenen Proje, Hidrojelle kapsüllenmiş metal nano katalizörlerin hazırlanması ve sodyum bor hidrürde hidrojen üretiminde katalitik etkilerinin araştırılması, 2009 - 2011

ŞAHİNER N., ILGIN P., Yükseköğretim Kurumları Destekli Proje, Polimerik Mikro ve Nano Partiküllerinin Sentezi, Karakterizasyonu ve Çeşitli Uygulamalarının Araştırılması, 2009 - 2010

EKİCİ S., ŞAHİNER N., ÖZAY Ö., TÜBİTAK Projesi, Biyouyumlu ve biyobozunabilir özellikteki mikron ve nano boyutlu hiyaluronik asit hidrojel partiküllerinin sentezi, karakterizasyonu ve ilaç salımı alanlarındaki uygulamalarının araştırılması, 2008 - 2010

ŞAHİNER N., ÖZAY Ö., TÜBİTAK Projesi, Metalik Nanopartiküllerin Polimerik Hidrojel Ağ Yapılarında Sentezlenmesi Ve Bunların Katalizör Olarak Kullanılması, 2008 - 2009

Patent

Ayyala R. S., Şahiner N., ANTIMICROBIAL COMPOSITIONS, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: WO 2022/225944 A1 , Standart Tescil, 2022

Ayyala R. S., Şahiner N., Methods and compositions for delivery of a therapeutic agent, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: US 2021/0260213 A1 , Standart Tescil, 2021

Şahiner N., Single step amino acid based micro and nanogel synthesis for biomedical applications, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: 67/710,378 , Standart Tescil, 2018

Şahiner N., Ayyala R. S., CONTROLLED ANTIBIOTIC DRUG RELEASE, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: 62650209 , Standart Tescil, 2018

Ay M., Cömert Önder F., ŞAHİNER N., EF2-Kinase Enzyme Inhibiting Novel Compounds, Patent, BÖLÜM A İnsan İhtiyaçları, Buluşun Başvuru Numarası: TR2018/050935 WO2019/240701. (Ülke başvuruları ödeneksizlikten yapılamadı) , Standart Tescil, 2018

Blake D. A., Şahiner N., Making and using porous acrylonitrile-based hydrogel particles to treat water, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: US8252186B1 , Standart Tescil, 2012

Şahiner N., Aktaş N., Method for preparing hydrogel-metal composite catalyst and hydrogen production method using the catalyst, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: WO2012035507A3 , Standart Tescil, 2012

Metrikler

Yayın: 595
Atf (WoS): 7053
Atf (Scopus): 7877
H-İndeks (WoS): 44
H-İndeks (Scopus): 47

Ödüller

Şahiner N., Teşvik Ödülü, Tübitak Bilim Kurulu, Temmuz 2011

Şahiner N., ÜSTÜN BAŞARILI GENÇ BİLİM İNSANI, Türkiye Bilimler Akademisi, Nisan 2008

Akademi Dışı Deneyim

Tulane Univ.