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- II. **Slightly degradable, naturally antibacterial hydrogel matrixes derived from polyvinyl alcohol and linear/branched-polyethyleneimine as a wound dressing material**
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- III. **Highly re-usable porous carbon-based particles as adsorbents for the development of CO₂ capture technologies**
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- IV. **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**
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- V. **Amine-modified halloysite nanotube embedded PEI cryogels as adsorbent nanoarchitectonics for recovery of valuable phenolic compounds from olive mill wastewater**
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- 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. **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)
- XC. **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)
- XCI. **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)
- XCII. **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)
- XCIII. **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)
- XCIV. **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)
- 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. **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)
- XCVII. **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)
- XCVIII. **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)
- XCIX. **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)
- 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. **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)
- 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. **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)
- CIV. **Graphene oxide embedded P(AAm)/PANI cryogel polymer composites for sensor application against pesticide, nitro compound, and organic dyes**
DEMİRCİ 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)
- CV. **N-doped C-dot embedded fluorescent and thermo-responsive p(NIPAAm) microgel composites**
DEMİRCİ S., ŞAHİNER N.
POLYMER COMPOSITES, cilt.40, sa.10, ss.3895-3903, 2019 (SCI-Expanded)
- CVI. **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)
- CVII. **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)
- CVIII. **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)
- 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. **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)
- CXI. **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)

- CXII. **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)
- 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. **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)
- CXV. **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)
- CXVI. **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)
- CXVII. **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)
- CXVIII. **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.
Türkiye Klinikleri Journal of Medical Sciences, cilt.39, sa.1, ss.75-82, 2019 (SCI-Expanded)
- CXIX. **Conductive Polymer Containing Graphene Aerogel Composites as Sensor for CO₂**
ŞAHİNER N.
POLYMER COMPOSITES, cilt.40, 2019 (SCI-Expanded)
- CXX. **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)
- 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. **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)
- CXXIII. **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)
- CXXIV. **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)
- CXXV. **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)
- CXXVI. **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)
- CXXVII. **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)
- CXXVIII. **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)
- CXXIX. **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)
- CXXX. **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)
- CXXXI. **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)
- CXXXII. **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)
- CXXXIII. **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)
- 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. **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)
- CXXXVI. **Synthesis, Characterization, and Use of Carbon Microspheres for Removal of Different Dyes from Aqueous Environments**
ŞAHİNER N., FAROOQ M., REHMAN S. U., Sağbaş S., Sahiner M., SIDDIQ M., Aktaş N.
WATER AIR AND SOIL POLLUTION, cilt.228, sa.10, 2017 (SCI-Expanded)
- CXXXVII. **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)
- 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. **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)

- CXL. **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)
- 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. **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)
- CXLIII. **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)
- CXLIV. **Single step poly(L-Lysine) microgel synthesis, characterization and biocompatibility tests**
ŞAHİNER N.
POLYMER, cilt.121, ss.46-54, 2017 (SCI-Expanded)
- CXLV. **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)
- CXLVI. **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)
- CXLVII. **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)
- CXLVIII. **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)
- CXLIX. **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)
- CL. **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)
- CLI. **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)
- CLII. **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)
- CLIII. **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)
- 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. **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)
- CLVI. **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)
- CLVII. **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)
- CLVIII. **Surfactant free synthesis and characterization of poly(vinyl carbazole) microgel and its chemical modifications**
ŞAHİNER N., SENDEL S. B.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.514, ss.243-250, 2017 (SCI-Expanded)
- CLIX. **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)
- CLX. **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., Karagul Yuceer Y., Yilmaz S., ŞAHİNER N.
Natural Product Research, cilt.31, sa.18, ss.2169-2173, 2017 (SCI-Expanded)
- CLXI. **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)
- 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. **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)
- CLXIV. **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)
- CLXV. **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)
- CLXVI. **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)
- CLXVII. **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)
- CLXVIII. **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)
- CLXIX. **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)
- CLXX. **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)
- CLXXI. **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)
- CLXXII. **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)
- CLXXIII. **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)
- 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. **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)
- 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. **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)
- CLXXVIII. **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)
- CLXXIX. **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)
- CLXXX. **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)
- CLXXXI. **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)
- CLXXXII. **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)
- CLXXXIII. **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)
- CLXXXIV. **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)
- CLXXXV. **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)
- 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. **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)
- :LXXXVIII. **Fast removal of high quantities of toxic arsenate via cationic p(APTMACl) 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)
- CLXXXIX. **Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties**
ŞAHİNER N., Sağbaşı S., Sahiner M., SILAN C., Aktaş N., Turk M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.82, ss.150-159, 2016 (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. **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)
- CXCII. **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)
- CXCIII. **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)
- 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. **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)
- CXCVI. **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-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.482, ss.647-655, 2015 (SCI-Expanded)
- CXCVII. **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)
- CXCVIII. **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)
- CXCIX. **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)
- CC. **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)
- CCI. **Single step natural poly(tannic acid) particle preparation as multitasking biomaterial**
ŞAHİNER N., Sağbaş S., Aktaş N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, cilt.49, ss.824-834, 2015 (SCI-Expanded)
- CCII. **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)
- 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. **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)
- CCV. **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)
- CCVI. **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)
- 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. **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)
- CCIX. **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)
- CCX. **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)
- CCXI. **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)
- CCXII. **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)
- CCXIII. **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)
- CCXIV. **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)
- CCXV. **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)
- CCXVI. **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)
- CCXVII. **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)
- CCXVIII. **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)

- CCXXIX. **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)
- CCXX. **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)
- CCXXI. **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)
- CCXXII. **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)
- CCXXIII. **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)
- 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. **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)
- CCXXVI. **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)
- CCXXVII. **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)
- CCXXVIII. **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)
- CCXXIX. **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)
- 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. **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)
- CCXXXII. **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)

- CCXXXIII. **Influence of the Medium Conditions on Enzymatic Oxidation of Bisphenol A**
Yalçınkaya 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)
- CCXXXIV. **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)
- CCXXXV. **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)
- CCXXXVI. **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)
- CCXXXVII. **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)
- CCXXXVIII. **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)
- CCXXXIX. **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)
- CCXL. **Preparation of poly(ethylene imine) particles for versatile applications**
ŞAHİNER N.
COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, cilt.433, ss.212-218, 2013 (SCI-Expanded)
- CCXLI. **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)
- CCXLII. **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)
- CCXLIII. **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)
- CCXLIV. **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)
- CCXLV. **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)

- 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. **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)
- CCXLVIII. **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-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, cilt.418, ss.76-83, 2013 (SCI-Expanded)
- CCXLIX. **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)
- CCL. **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)
- CCLI. **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)
- 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. **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)
- CCLIV. **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)
- 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. **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)
- CCLVII. **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)
- CCLVIII. **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)

- CCLIX. **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)
- CCLX. **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)
- CCLXI. **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)
- CCLXII. **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)
- 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. **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)
- CCLXV. **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)
- CCLXVI. **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)
- CCLXVII. **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)
- CCLXVIII. **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)
- CCLXIX. **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)
- CCLXX. **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)
- 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. **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)
- CCLXXIII. **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)
- 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. **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)
- CCLXXVI. **Soft hydrogel particles with high functional value**
ŞAHİNER N., Butun S., Ilgin P.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.381, ss.74-84, 2011 (SCI-Expanded)
- CCLXXVII. **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)
- :CLXXVIII. **Responsive tunable colloidal soft materials based on p(4-VP) for potential biomedical and environmental applications**
ŞAHİNER N., ÖZAY Ö.
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.378, ss.50-59, 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. **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)
- 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. **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)
- :CLXXXIII. **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)
- :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. **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)
- :CLXXXVI. **Colloidal drug carries 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)
- CLXXXVII. **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)
- :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. **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)
- CCXC. **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)
- 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. **Optimization of removal conditions of copper ions from aqueous solutions by Trametes versicolor**
Şahan T., Ceylan H., ŞAHİNER N., Aktaş N.
BIORESOURTE TECHNOLOGY, cilt.101, sa.12, ss.4520-4526, 2010 (SCI-Expanded)
- CCXCIII. **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)
- CCXCIV. **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)
- CCXCV. **POLY 545-Modifiable hydrogel particles based on acrylonitrile core and various shells**
ILGIN P., John V. T., ŞAHİNER N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, cilt.238, 2009 (SCI-Expanded)
- CCXCVI. **COLL 246-Hyaluronic acid hydrogel particles with micron and nano dimensions and their applications in drug delivery**
ILGIN 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)
- 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. **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)
- CCXCIX. **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)
- CCC. **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)
- CCCI. **A Facile Method for the Preparation of Poly(4-vinylpyridine) Nanoparticles and their Characterization**
Sahiner N.
TURKISH JOURNAL OF CHEMISTRY, cilt.33, sa.1, ss.23-31, 2009 (SCI-Expanded)
- CCCII. **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)
- CCCIII. **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.
BIORESOURCE TECHNOLOGY, cilt.99, sa.6, ss.2025-2031, 2008 (SCI-Expanded)
- CCCIV. **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)
- CCCVI. **In situ micro/nano-hydrogel synthesis from acrylamide derivatives with lecithin organogel system**
Sahiner N., Singh M.
POLYMER, cilt.48, sa.10, ss.2827-2834, 2007 (SCI-Expanded)
- CCCVII. **Hydrogel nanonetworks with functional core-shell structure**
Sahiner N.
EUROPEAN POLYMER JOURNAL, cilt.43, sa.5, ss.1709-1717, 2007 (SCI-Expanded)
- CCCVIII. **Colloidal nanocomposite hydrogel particles**
Sahiner N.
COLLOID AND POLYMER SCIENCE, cilt.285, sa.4, ss.413-421, 2007 (SCI-Expanded)
- CCCIX. **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)
- CCCX. **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)
- CCCXI. **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)
- CCCXII. **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)
- CCCXIII. **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)
- CCCXIV. **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)
- CCCXV. **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)
- CCCXVI. **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)
- CCCXVII. **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)
- CCCXVIII. **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)
- CCCXIX. **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)
- CCCXX. **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)
- CCCXXI. **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)
- CCCXXII. **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)
- CCCXXIII. **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)
- CCCXXIV. **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)
- CCCXXV. **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.
Hacettepe 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. **The use of conductive polymers embedded macro porous pei and ionic liquid form of pei cryogels for potential conductometric sensor application to CO₂**
Demirci S., ŞAHİNER N.
Journal of Composites Science, cilt.4, sa.1, 2020 (ESCI)
- XIII. **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)
- XIV. **Preparation of Macrocorpous Carboxymethyl Cellulose Cryogels and Its Blood Compability**
ŞAHİNER N., SAĞBAŞ SUNER S., TOSUNOĞLU M.
MRS Advances, sa.4, 2019 (Scopus)
- XV. **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)
- XVI. **Degradable natural phenolic based particles with micro-and nano-size range**
Şahiner N., Sagbas S., ŞAHİNER M., Aktaş N.
Recent Patents on Materials Science, cilt.11, sa.1, ss.33-40, 2018 (Scopus)
- XVII. **Microgels Derived from Different Forms of Carrageenans, Kappa, Iota, and Lambda for Biomedical Applications**

ŞAHİNER N., Sağbaşı S., YILMAZ S.

MRS ADVANCES, cilt.2, sa.47, ss.2521-2527, 2017 (ESCI)

XVIII. **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. **Functionalized carbon nanomaterials: Fabrication, properties and potential applications**
Polat O., Gizer G., ŞAHİNER M., ŞAHİNER N.
Functionalized Carbon Nanomaterials for Theranostic Applications, , Editör, Elsevier, ss.19-53, 2023
- II. **Biomedical Applications of Nanofibers**
Şahiner M., Kurt S. B., Şahiner N.
Sustainable Nanotechnology: Strategies, Products, and Applications, Pathak Yashwant V. , Parayil Govindan, Patel Jayvadan K., Editör, John Wiley & Sons, Inc., New Jersey, ss.309-327, 2022
- III. **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
- IV. **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
- V. **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
- VI. **Responsive biopolymer-based microgels/nanogels for drug delivery applications**
Sağbaşı S., Şahiner M., Butun Sengel S., J Reeds D., Reed F. W., Şahiner N.
Stimuli Responsive Polymeric Nanocarriers for Drug Delivery Applications., , Editör, Woodhead Publishing Limited , Kingston Upon Hull, ss.453-500, 2018
- VII. **0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**
BÜTÜN ŞENGEL S., Demirci S., Yasar A. O., Sagbas S., Aktas N., ŞAHİNER N.
Studies in Surface Science and Catalysis, , Editör, Elsevier, ss.317-357, 2017
- VIII. **Biyokütle Enerjisi**
Tarhan İ., Yüksel B., Demircan O., Özmetin C., Türkeş 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

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YAPAR G., YILDIZ M., ŞAHİNER N., DEMİR N., YILDIRIM N., ÜNVER H., BOYACIOĞLU B.

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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

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ŞAHİNER M., ARI B., SERDAR K., DEMİRCİ Ş., KAVAKLI C., AKKAŞ KAVAKLI P., ŞAHİNER N.

7th International Technical Textiles Congress, 10 - 12 Ekim 2018

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- XVII. **Synthesis of 2-Aminoethylphosphonic Acid-Functionalized GrapheneQuantum Dots and Their Applications in Molecular Biology**
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4th Organic Chemistry Congress, Antalya, Türkiye, 4 - 07 Ekim 2018
- XVIII. **Biyomedikal Uygulamalar için Gam Esaslı Mikrojellerin Sentezlenmesi ve Karakterizasyonu**
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- XXI. **In vitro drug release studies for the treatment of TNBC and pancreatic cancers from natural derivated polymeric micro- and nano-particles**
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255th National Spring Meeting of the American Chemical Society (ACS), NEW ORLEANS, Amerika Birleşik Devletleri, 18 - 22 Mart 2018
- XXII. **In vitro Drug Release Studies for The Treatment of TNBC and Pancreatic Cancers from Biocompatible NaturalDerived Polymeric Micro- and Nano- particles**
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
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SAĞBAŞ SUNER S., SILAN C., ŞAHİNER N.
255th National Spring Meeting of the American Chemical Society (ACS), 18 - 22 Mart 2018
- XXIV. **Amino acid derived multifunctional N-, S-doped carbon dots for biomedical applications**
SAĞBAŞ SUNER S., SILAN C., ŞAHİNER N.
255th National Spring Meeting of the American Chemical Society (ACS), 18 - 22 Mart 2018
- XXV. **The synthesis and characterization of poly(Naringin) particles as new biomaterials**
ŞAHİNER M., blake D., ŞAHİNER N.
ACS, New Orleans, Amerika Birleşik Devletleri, 13 Mart 2018
- XXVI. **In vitro drug release studies for the treatment of TNBC and pancreatic cancers from natural derivated polymeric micro- and nano-particles**
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
- XXVII. **P(NiPAM) microgels embedded in p(AAm) hydrogels as sensor**
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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
- XXVIII. **Microgels from xanthan gum and locust bean gum for potential biomedical applications**
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
- XXIX. **Rosmarinic acid particles with versatile biomedical functions**
Sahiner M., Blake D., 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

- XXX. **Amino acids derived multifunctional N-, S-doped carbon dots for biomedical applications**
Sağbaşı 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
- XXXI. **Synthesis and characterization of poly(Naringin) particles as new biomaterials**
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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
- XXXII. **Synthesis, characterization and some of applications of colloidal microgels from amino acids**
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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
- XXXIII. **Boron Compounds with Magnetic Properties and Their Catalytic Applications**
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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 prepared with different metal salts and reducing agents**
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- XXXV. **Graphene oxide supported p(AAm)/PANI cryogel polymer composites and its potential sensor application to paraquat, glyphosphahte, nitrophenol, methylene blue, methyl orange**
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- XXXVI. **Design And Synthesis Of New Ef2k Inhibitors For The Treatment Of Tnbc And Pancreatic Cancers And Their In Vitro Release Studies From Biocompatible Natural Polymeric Particles**
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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BİRDANE s., AKÇAPINAR r., TÜRK M., KARAHAN S., ŞAHİNER N.
22nd International biomedical science technology 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
- XXXIX. **Microgels derived from different forms of carrageenans, kappa, iota, and lambda for biomedical applications**
ŞAHİNER N., SAĞBAŞ S., YILMAZ S.
Materials Research Society Spring Meeting amp Exhibit, 17 - 21 Nisan 2017
- XL. **Sucrose based ionic liquid colloidal microgels inseparation of biomacromolecules**
ŞAHİNER N., SAĞBAŞ S.
3 rd International Conference on IonicLiquids in Separation and Purification Technology, 8 Ocak - 11 Nisan 2017
- XLI. **Polymeric ionic liquid materials derived from natural source for adsorption purpose**
ŞAHİNER N., SAĞBAŞ S.
3 rd International Conference on IonicLiquids in Separation and Purification Technology, 8 Ocak - 11 Nisan 2017
- XLII. **P(NIPAM) microgel embedding p(AAm) hydrogel interpenetrating polymer networks for controlled drug delivery vehicles (P465)**
ŞAHİNER N., Yaşar A., CÖMERT ÖNDER F., AY M.
253rd American Chemical Society National Meeting Exposition, San-Francisco, Kostarika, 2 - 06 Nisan 2017, ss.290
- XLIII. **Micro/Nanoparticles prepared from kappa-, lota-, and lambda-carrageenan for versatile use**

ŞAHİNER N., SAĞBAŞ S., YILMAZ S.

American Chemical Society National Meeting and Exposition, 2 - 06 Nisan 2017

- XLIV. **P(NIPAAm) microgel embedding p(AAm) hydrogel interpenetrating polymer networks for controlled drug delivery vehicles**

ŞAHİNER N., YAŞAR A. Ö., ÖNDER F., AY M.

American Chemical Society National Meeting and Exposition, 2 - 06 Nisan 2017

- XLV. **Ferrocene-modified PEI microgels**

ŞAHİNER N., Demirci S., YILDIZ 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

- XLVI. **Micro/nanoparticles prepared from kappa-, iota-, and lambda-carrageenan for versatile use**

ŞAHİNER N., SAĞBAŞ SUNER S., Yılmaz S.

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

- XLVII. **In situ synthesis of conductive polymers within covalent organic frameworks**

ŞAHİNER N., Demirci S.

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

- XLVIII. **P(NIPAM) microgel embedding p(AAm) hydrogel interpenetrating polymer networks for controlled drug delivery vehicles**

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

- XLIX. **Modifiable natural gum based particles as controlled drug delivery system**

SILAN C., Sağbaşı 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**

KAVDIR Y., GÖZEL U., ŞAHİNER N.

2016 APCBEES SAN FRANCISCO, 26 - 28 Ekim 2016, ss.68

- LIII. **Composting of three phase olive pomace by laboratory scaled automatic controlled reactors**

KAVDIR Y., BODUR S., GÖZEL U., ŞAHİNER N., EKİNCİ K.

5th Eurosoil Conference, İstanbul, Türkiye, 16 - 21 Ekim 2016

- LIV. **Composting of three phase olive pomace by laboratory scaled automatic controlled reactors**

KAVDIR Y., bodur s., GÖZEL U., ŞAHİNER N., EKİNCİ K.

Eurosoil 2016, İstanbul, Türkiye, 16 - 21 Ekim 2016

- LV. **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

- LVI. **Superporous HA cryogels embedding synthetic PEI microgels and HNT as natural clay**

DEMİRCİ Ş., SAĞBAŞ SUNER S., ŞAHİNER M., ŞAHİNER N.

3th International Conference on Bio-based Polymers and Composites, 28 Ağustos - 01 Eylül 2016

- LVII. **Co Ni 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
- LVIII. **Co Ni and Cu metal nanoparticle containing cationic p MTMA microgel composites as catalysts for H₂ generation and nitro compound reduction**
ÖZTÜRK Ö. F., İris E., ŞAHİNER N.
International Conference on Polymer Science and Engineering, New Orleance, Amerika Birleşik Devletleri, 22 - 24 Ağustos 2016
- LIX. **P (Tannic Acid) hydrogel template for in situ metal nanoparticle preparation and use as catalyst for elimination of toxic organic compounds**
SILAN C., SAĞBAŞ SUNER S., Sahiner M., ŞAHİNER N.
European Biotechnology Conference, Letonya, 5 - 07 Mayıs 2016, cilt.231
- LX. **In situ conductive polymer synthesis in neutral cationic and anionic cryogels and their potential sensor applications**
DEMIRCI S., SENDEL S. B., ŞAHİNER N.
MACRO-2016, 17 - 21 Temmuz 2016
- LXI. **Controlled release of tannic acid from poly(tannic acid) microgel, and nanogels**
ŞAHİNER N., SAĞBAŞ SUNER S., AKTAŞ N., ŞAHİNER M.
NanoSmat 2016, 11th Conference on Surfaces, Coatings and Nanostructured Materials, 18 - 20 Mayıs 2016
- LXII. **Superporous cryogels and their composites for versatile use**
ŞAHİNER N., DEMIRCI Ş., SEL K., AKTAŞ N.
International Porous and Powder Materials Symposium and Exhibition, 15 - 18 Eylül 2015, ss.172
- LXIII. **Poly Tannic acid particles ambedded superporous poly hydroxy ethyl methacrylate cryogel for biomedical applications**
SAHİNER M., SAĞBAŞ S., ŞAHİNER N.
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- LXIV. **Poly(tannic acid) particles embedded superporous poly(hydroxyethyl methacrylate) cryogel for biomedical applications**
ŞAHİNER M., SAĞBAŞ SUNER S., ŞAHİNER N.
International Porous Powder Materials Symposium and Exhibitions, 15 - 18 Eylül 2015
- LXV. **P 4 VP microgel embedded macroporous p HEMA and p AAm cryogels for separation purpose**
SAHİNER M., YILDIZ S., YAŞAR A. Ö., ŞAHİNER N.
International Porous and Powder Materials Symposium and Exhibition, 15 - 18 Eylül 2015, ss.176
- LXVI. **Natural p TA Hydrogel and Microgel Networks for Diverse Potential Biomedical Uses**
ŞAHİNER N., Sağbaş S., SAHİNER M., AKTAŞ N.
249th American Chemical Society National Meeting Exposition, Chemistry of Natural Resources, Denver, Amerika Birleşik Devletleri, 22 - 26 Mart 2015
- LXVII. **Natural p(TA) hydrogel and microgel networks for diverse potential biomedical uses**
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- LXVIII. **Super porous Cryogel Metal Nanoparticle Composites for H₂ Generation from Chemical Hydride**
ŞAHİNER N., YILDIZ S., SEVEN F.
ECOSS 30 European Conference on Surface Science, Antalya, Türkiye, 31 Ağustos - 05 Eylül 2014
- LXIX. **Preparation and Characterization of Natural p tannic acid Hydrogels and Their Use As Catalysis**
ŞAHİNER N., Nahit A.
8th ISANH Congress on Polyphenols Application, Lisbon, Portugal, 5 - 06 Haziran 2014
- LXX. **Tannic acid based natural particles for versatile use**
ŞAHİNER N., SAĞBAŞ SUNER S., AKTAŞ N.
247th National Spring Meeting of the American Chemical Society (ACS), 16 - 20 Mart 2014
- LXXI. **Polyethyleneimine based ionic liquid colloids**
ŞAHİNER N., Demirci S., Aktaş N.
247th National Spring Meeting of the American-Chemical-Society (ACS), Texas, Amerika Birleşik Devletleri, 16 - 20

Mart 2014, cilt.247

- LXXII. **Tannic acid based natural particle for versatile use**
ŞAHİNER N., Sagbas S., Aktaş N.
247th National Spring Meeting of the American-Chemical-Society (ACS), Texas, Amerika Birleşik Devletleri, 16 - 20 Mart 2014, cilt.247
- LXXIII. **Use of cryogels for in situ metal nanoparticle preparation and catalysis for hydrogen generation**
ŞAHİNER N., Seven F., Yildiz S., Aktaş N.
247th National Spring Meeting of the American-Chemical-Society (ACS), Texas, Amerika Birleşik Devletleri, 16 - 20 Mart 2014, cilt.247
- LXXIV. **Preparation of biopolymeric particles from natural inulin**
SILAN C., SAĞBAŞ SUNER S., ŞAHİNER N.
245th National Spring Meeting of the American Chemical Society (ACS), 7 - 11 Nisan 2013
- LXXV. **Macroporous cryogels syntheses and characterizations**
Seven F., KARACAN E., Turhan T., ŞAHİNER N.
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXVI. **Removal of As(V), Cr(III) and Cr(VI) from aqueous environment by modifiable hydrogels**
Alpaslan D., Ersen T., Kubilay Ş., Aktaş N., ŞAHİNER N.
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXVII. **Preparation of p(vinyl phosphonic acid) microgels and its metal nanoparticle containing composites for H₂ generation from the hydrolysis of sodium borohydride**
SAĞBAŞ SUNER S., ŞAHİNER N.
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- LXXVIII. **Effects of size, structure, charge, and porosity of hydrogel-metal composite catalyst systems on hydrogen generation from the hydrolysis of NaBH₄**
ŞAHİNER N., Seven F., Turhan T., KARACAN E., Caglar A.
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXIX. **Imprinting hydrogels with metal ions for metal nanoparticle preparation and use in hydrogen production as catalysis media**
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245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXX. **Investigating the catalytic properties of poly(acrylic acid) and poly(methacrylic acid) hydrogel metal composites**
KARACAN E., ÖZTÜRK Ö. F., ŞAHİNER N.
245th National Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXXI. **Preparation of biopolymeric particles from natural inulin**
SILAN C., Sağbaş S., ŞAHİNER N.
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXXII. **Uptake of As(V) and Cr(VI) from aqueous environment by cationic poly(Acrylonitril-co-3-Acrylamidopropyl)trimethylammonium chloride) hydrogels**
Erşen Dudu T., Alpaslan D., Şahan T., Aktaş N., ŞAHİNER N.
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245
- LXXXIII. **Ionic liquid colloids (ILC) based on polymeric microgel: Synthesis and characterizations**
ŞAHİNER N., Turhan T., Lyon L. A.

245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, Amerika Birleşik Devletleri, 7 - 11 Nisan 2013, cilt.245

LXXXIV. **Super porous hydrogels as coordinating templates for in situ metal nanoparticle preparation and use as soft reactors in hydrogen production from the hydrolysis of hydrides**

ŞAHİNER N., SAĞBAŞ SUNER S., Turhan T., KARACAN E., Seven F., Yasar A., Alpaslan D., Aktaş N., Aktaş N.

244th National Fall Meeting of the American-Chemical-Society (ACS), Pennsylvania, Amerika Birleşik Devletleri, 19 - 23 Ağustos 2012, cilt.244

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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

XC. **HİYALURONİK ASİT PARTİKÜLLERİ İLE İLAÇ SALIM SİSTEMLERİ**

ÖZAY H., ILGIN P., ŞAHİNER N.

XXIII. ULUSAL KİMYA KONGRESİ, Türkiye, 16 - 20 Haziran 2009

XCII. **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

XCIII. **UTILIZATION OF HYDROGEL NETWORKS FOR CATALYSIS**

ÖZAY Ö., AYDIN F., EKİCİ S., ŞAHİNER N.

XXII. ULUSAL KİMYA KONGRESİ, MAĞUSA, K.K.T.C., MAĞUSA, Türkiye, 06 Ekim 2008 - 10 Ekim 2008

XCIV. **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 (Kktc), 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 (Kktc), 6 - 10 Ekim 2008, ss.1

XCVI. **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

XCVII. **Poly(4-vinyl pyridine) Based Nanoparticle Syntheses and Their Applications to Functional Materials**

ÖZAY Ö., AYDIN F., EKİCİ S., YILDIZ M., Baran Y., ŞAHİNER N.

235th American-Chemical-Society (ACS) National Meeting, 6 - 10 Nisan 2008

XCVIII. 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

XCIX. 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

C. 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 nitrürlerin sentezlenmesi polidopamin ile kaplanarak modifikasyonların yapılması ve çeşitli biyomedikal uygulamaları, 2022 - Devam Ediyor

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

Sağbaş 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

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 - 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., Sağbaş Suner S., Demirci Ş., Bağdat S., Tokay F., TÜBİTAK Projesi, Zeytin Karasuyundaki Fenolik Bileşiklerin Ayrılması İçin Doğal Kil Halloysit Nanotüp (HNT) Esash 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 Esash 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 Esash Fiberlerin Sentezi ve Biyomedikal Uygulamaları, 2021 - 2022

SAĞBAŞ SUNER S., ŞAHİNER N., ŞAHİNER M., Demirci Ş., Yükseköğretim Kurumları Destekli Proje, Kanser İlacı Yüklenen Hiyaluronik Esash 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) esash 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 yapılara 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 Katesin-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

Yılmaz S., Şahiner 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 Mikrojellerinin 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 hidrojellerinin 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, Poliünülün mikro ve nanojellerinin kan uyumluluklarının tespiti, 2015 - 2016

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

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

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

SEL K., ŞAHİNER N., Yükseköğretim Kurumları Destekli Proje, Değişik Boyalar Yüklü P(AMPS) Hidrojellerinin 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, Kriyojellerin Sentezi, Karakterizasyonu ve Bazı Uygulamaları, 2013 - 2014

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

Şahiner N., Diğer Resmi Kurumlarca Desteklenen Proje, Hidrojel nanokompozit partikülleri ile hızlı ve seçici olarak uranil iyonların 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-VİNİLİRİDİN (4-VP) ESASLI POLİMERİK MATERYALLER VE BUNLARIN UYGULAMA ALANLARININ ARAŞTIRILMASI, 2010 - 2012

ŞAHİNER N., ÖZAY Ö., Yükseköğretim Kurumları Destekli Proje, HİDROJELLER İLE KROM TÜRLERİNİN SULU ORTAMDAN SEÇİMLİ UZAKLAŞTIRILMASI VE TÜRENDİRİLMESİ, 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, Biyoyumlu 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

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

Şahiner N., Ayyala R. S., CONTROLLED ANTIBIOTIC DRUG RELEASE, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: 62650209 , 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: 599

Atıf (WoS): 9523

Atıf (Scopus): 10105

H-İndeks (WoS): 52

H-İndeks (Scopus): 54

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.