

# Mehtap Sahiner

## List of Publications by Year in descending order

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45  
papers

1,047  
citations

394421

19  
h-index

434195

31  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1297  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Degradable poly(catechin) nanoparticles as a versatile therapeutic agent. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 1104-1115.  | 3.4  | 13        |
| 2  | Hyaluronic acid (HA)-Gd(III) and HA-Fe(III) microgels as MRI contrast enhancing agents. <i>Carbohydrate Polymers</i> , 2022, 277, 118873.  | 10.2 | 11        |
| 3  | Colloidal bioactive nanospheres prepared from natural biomolecules, catechin and L-lysine. <i>Journal of Polymer Research</i> , 2022, 29, 1.   | 2.4  | 1         |
| 4  | Poly(vinyl alcohol)-tannic Acid Cryogel Matrix as Antioxidant and Antibacterial Material. <i>Polymers</i> , 2022, 14, 70.  | 4.5  | 13        |
| 5  | Rod-like L-Aspartic acid-Cu(II) metal organic frameworks; Synthesis, characterization and biomedical properties. <i>Current Research in Green and Sustainable Chemistry</i> , 2021, 4, 100110.                             | 5.6  | 18        |
| 6  | Poly(Vinylamine) Derived N-Doped C-Dots with Antimicrobial and Antibiofilm Activities. <i>Journal of Carbon Research</i> , 2021, 7, 40.  | 2.7  | 3         |
| 7  | Poli(Rutin) micro/nanogels for biomedical applications. <i>Hittite Journal of Science &amp; Engineering</i> , 2021, 8, 179-187.  | 0.5  | 1         |
| 8  | Chondroitin Sulfate-Based Cryogels for Biomedical Applications. <i>Gels</i> , 2021, 7, 127.  | 4.5  | 7         |
| 9  | Versatile Fluorescent Carbon Dots from Citric Acid and Cysteine with Antimicrobial, Anti-biofilm, Antioxidant, and AChE Enzyme Inhibition Capabilities. <i>Journal of Fluorescence</i> , 2021, 31, 1705-1717.              | 2.5  | 33        |
| 10 | Improved Biomedical Properties of Polydopamine-Coated Carbon Nanotubes. <i>Micromachines</i> , 2021, 12, 1280.   | 2.9  | 11        |
| 11 | Chemically Cross-Linked Poly( $\beta$ -Cyclodextrin) Particles as Promising Drug Delivery Materials. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6238-6251.  | 4.4  | 12        |
| 12 | Functionalization of halloysite nanotubes with polyethyleneimine and various ionic liquid forms with antimicrobial activity. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48352.                                 | 2.6  | 17        |
| 13 | Nitrogen-Doped Arginine Carbon Dots and Its Metal Nanoparticle Composites as Antibacterial Agent. <i>Journal of Carbon Research</i> , 2020, 6, 58.   | 2.7  | 27        |
| 14 | Enhanced enzymatic activity and stability by in situ entrapment of $\alpha$ -Glucosidase within super porous p(HEMA) cryogels during synthesis. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 28, e00534.  | 4.4  | 9         |
| 15 | Enhancement of biocompatibility and carbohydrate absorption control potential of rosmarinic acid through crosslinking into microparticles. <i>International Journal of Biological Macromolecules</i> , 2019, 137, 836-843. | 7.5  | 21        |
| 16 | Nitrogen and Sulfur Doped Carbon Dots from Amino Acids for Potential Biomedical Applications. <i>Journal of Fluorescence</i> , 2019, 29, 1191-1200.  | 2.5  | 65        |
| 17 | Degradable Natural Phenolic Based Particles with Micro- and Nano-size Range. <i>Recent Patents on Materials Science</i> , 2018, 11, 33-40.   | 0.5  | 7         |
| 18 | Fabrication of Biodegradable Poly(naringin) Particles with Antioxidant Activity and Low Toxicity. <i>ACS Omega</i> , 2018, 3, 17359-17367.   | 3.5  | 22        |

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|----|--|------|-----------|
| 19 | Polydopamine particles as nontoxic, blood compatible, antioxidant and drug delivery materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 618-626.                               | 5.0  | 36        |
| 20 | Responsive biopolymer-based microgels/nanogels for drug delivery applications. , 2018, , 453-500.  |      | 26        |
| 21 | Halloysite-carboxymethyl cellulose cryogel composite from natural sources. <i>Applied Clay Science</i> , 2017, 140, 66-74.   | 5.2  | 23        |
| 22 | Superporous hyaluronic acid cryogel composites embedding synthetic polyethyleneimine microgels and Halloysite Nanotubes as natural clay. <i>European Polymer Journal</i> , 2017, 93, 775-784.    | 5.4  | 30        |
| 23 | Removal of arsenate and dichromate ions from different aqueous media by amine based p(TAEA-co-GDE) microgels. <i>Journal of Environmental Management</i> , 2017, 197, 631-641.                   | 7.8  | 16        |
| 24 | Polyethyleneimine modified poly(Hyaluronic acid) particles with controllable antimicrobial and anticancer effects. <i>Carbohydrate Polymers</i> , 2017, 159, 29-38.                              | 10.2 | 53        |
| 25 | Synthesis, Characterization, and Use of Carbon Microspheres for Removal of Different Dyes from Aqueous Environments. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.                       | 2.4  | 4         |
| 26 | Synthesis, characterization and modification of Gum Arabic microgels for hemocompatibility and antimicrobial studies. <i>Carbohydrate Polymers</i> , 2017, 156, 380-389.                         | 10.2 | 71        |
| 27 | P(TA) macro-, micro-, nanoparticle-embedded super porous p(HEMA) cryogels as wound dressing material. <i>Materials Science and Engineering C</i> , 2017, 70, 317-326.                            | 7.3  | 35        |
| 28 | Agar/Chitosan IPN Thin Hydrogel Films with Antimicrobial and Antioxidant Properties for Potential Dressing Applications. <i>Current Applied Polymer Science</i> , 2017, 1, 52-62.                | 0.2  | 9         |
| 29 | Quantitative Clinical Diagnostic Analysis of Acetone in Human Blood by HPLC: A Metabolomic Search for Acetone as Indicator. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-7. | 1.6  | 6         |
| 30 | Milk hydrogels as nutrient media and survival rate enhancer under cryogenic conditions for different microorganisms. <i>Polymer Bulletin</i> , 2016, 73, 3351-3370.                              | 3.3  | 4         |
| 31 | Degradable tannic acid/polyethyleneimine polyplex particles with highly antioxidant and antimicrobial effects. <i>Polymer Degradation and Stability</i> , 2016, 133, 152-161.                    | 5.8  | 47        |
| 32 | Application of superporous magnetic cationic cryogels for persistent chromate (toxic chromate and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5   | 2.8  | 11        |
| 33 | Fast removal of high quantities of toxic arsenate via cationic p(APTMACl) microgels. <i>Journal of Environmental Management</i> , 2016, 166, 217-226.  | 7.8  | 28        |
| 34 | Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 150-159.         | 7.5  | 129       |
| 35 | The use of superporous p(3-acrylamidopropyl)trimethyl ammonium chloride cryogels for removal of toxic arsenate anions. <i>Journal of Environmental Management</i> , 2015, 152, 66-74.            | 7.8  | 48        |
| 36 | p(AAm/TA)-based IPN hydrogel films with antimicrobial and antioxidant properties for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .                           | 2.6  | 10        |

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|----|--|-----|-----------|
| 37 | Macroporous cryogel metal nanoparticle composites for H <sub>2</sub> generation from NaBH <sub>4</sub> hydrolysis in seawater. <i>Applied Surface Science</i> , 2015, 354, 388-396.                                    | 6.1 | 26        |
| 38 | Removal of As(V), Cr(III) and Cr(VI) from aqueous environments by poly(acrylonitril-co-acrylamidopropyl-trimethyl ammonium chloride)-based hydrogels. <i>Journal of Environmental Management</i> , 2015, 161, 243-251. | 7.8 | 34        |
| 39 | Ionic liquid hydrogel templates: Bulkgel, cryogel, and microgel to be used for metal nanoparticle preparation and catalysis. <i>European Polymer Journal</i> , 2015, 70, 66-78.  | 5.4 | 21        |
| 40 | The synthesis of desired functional groups on PEI microgel particles for biomedical and environmental applications. <i>Applied Surface Science</i> , 2015, 354, 380-387.   | 6.1 | 24        |
| 41 | Synthesis and characterization of new microgel from tris(2-aminoethyl)amine and glycerol diglycidyl ether as poly(TAEA-co-GDE). <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1156-1165.                  | 5.0 | 13        |
| 42 | Collagen-based hydrogel films as drug-delivery devices with antimicrobial properties. <i>Polymer Bulletin</i> , 2014, 71, 3017-3033.   | 3.3 | 43        |
| 43 | Preparation of collagen based composite materials with synthetic polymers for potential wound dressing applications. <i>Hacettepe Journal of Biology and Chemistry</i> , 2014, 1, 63-63.                               | 0.9 | 5         |
| 44 | Quercetin particles with lower inhibitory activity for Î±-glycosidase and negligible effects on blood clotting. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 0, , 443-452.                   | 1.1 | 0         |
| 45 | Hydrolytic nondegradable bioactive rosmarinic acid particles. <i>Polymers for Advanced Technologies</i> , 0, , .   | 3.2 | 2         |