# Ahmet Ulu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4524963/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 40 papers | 1,461 citations | 361413 20 h-index | 330143 37 g-index |
| 41 all docs | 41 docs citations | 41 times ranked | 1554 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chemistry, Structures, and Advanced Applications of Nanocomposites from Biorenewable Resources. Chemical Reviews, 2020, 120, 9304-9362. | 47.7 | 477 |
| 2 | Magnetic-propelled Fe<sub>3</sub>O<sub>4</sub>â€“chitosan carriers enhance<scp>l</scp>-asparaginase catalytic activity: a promising strategy for enzyme immobilization. RSC Advances, 2018, 8, 36063-36075. | 3.6 | 62 |
| 3 | Laccase-conjugated thiolated chitosan-Fe3O4 hybrid composite for biocatalytic degradation of organic dyes. International Journal of Biological Macromolecules, 2020, 150, 871-884. | 7.5 | 62 |
| 4 | Design of epoxy-functionalized Fe3O4@MCM-41 coreâ€“shell nanoparticles for enzyme immobilization. International Journal of Biological Macromolecules, 2018, 115, 1122-1130. | 7.5 | 53 |
| 5 | Immobilization of <scp>l</scp>-Asparaginase on Carrier Materials: A Comprehensive Review. Bioconjugate Chemistry, 2017, 28, 1598-1610. | 3.6 | 51 |
| 6 | Metalâ€“organic frameworks (MOFs): a novel support platform for ASNase immobilization. Journal of Materials Science, 2020, 55, 6130-6144. | 3.7 | 48 |
| 7 | Maltose functionalized magnetic core/shell Fe3O4@Au nanoparticles for an efficient l-asparaginase immobilization. International Journal of Biological Macromolecules, 2020, 142, 443-451. | 7.5 | 43 |
| 8 | Chitosan/polypropylene glycol hydrogel composite film designed with TiO2 nanoparticles: A promising scaffold of biomedical applications. International Journal of Biological Macromolecules, 2020, 163, 529-540. | 7.5 | 43 |
| 9 | Chloro-Modified Magnetic Fe3O4@MCM-41 Coreâ€“Shell Nanoparticles for L-Asparaginase Immobilization with Improved Catalytic Activity, Reusability, and Storage Stability. Applied Biochemistry and Biotechnology, 2019, 187, 938-956. | 2.9 | 41 |
| 10 | Design of starch functionalized biodegradable P(MAA-co-MMA) as carrier matrix for l -asparaginase immobilization. Carbohydrate Polymers, 2016, 153, 559-572. | 10.2 | 40 |
| 11 | Magnetic Fe<sub>3</sub>O<sub>4</sub>@MCM-41 coreâ€“shell nanoparticles functionalized with thiol silane for efficient <scp>l</scp>-asparaginase immobilization. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1035-1045. | 2.8 | 40 |
| 12 | Design of laccaseâ€“metalâ€“organic framework hybrid constructs for biocatalytic removal of textile dyes. Chemosphere, 2022, 292, 133382. | 8.2 | 39 |
| 13 | Comparative study of ASNase immobilization on tannic acid-modified magnetic Fe<sub>3</sub>O<sub>4</sub>/SBA-15 nanoparticles to enhance stability and reusability. New Journal of Chemistry, 2020, 44, 4440-4451. | 2.8 | 37 |
| 14 | The Toxicity Assessment of Iron Oxide (Fe3O4) Nanoparticles on Physical and Biochemical Quality of Rainbow Trout Spermatozoon. Toxics, 2018, 6, 62. | 3.7 | 35 |
| 15 | Synthesis and characterization of <scp>PMMA</scp> composites activated with starch for immobilization of <scp>L</scp>â€asparaginase. Journal of Applied Polymer Science, 2016, 133, . | 2.6 | 31 |
| 16 | Poly(2â€hydroxyethyl methacrylate)/boric acid composite hydrogel as soft contact lens material: Thermal, optical, rheological, and enhanced antibacterial properties. Journal of Applied Polymer Science, 2018, 135, 46575. | 2.6 | 31 |
| 17 | Preparation and characterization of amino and carboxyl functionalized core-shell Fe<sub>3</sub>O<sub>4</sub>/SiO<sub>2</sub> for L-asparaginase immobilization: A comparison study. Biocatalysis and Biotransformation, 2020, 38, 392-404. | 2.0 | 30 |
| 18 | Synthesis and characterization of biodegradable pHEMA-starch composites for immobilization of L-asparaginase. Polymer Bulletin, 2016, 73, 1891-1907. | 3.3 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The in vitro toxicity analysis of titanium dioxide (TiO 2 ) nanoparticles on kinematics and biochemical quality of rainbow trout sperm cells. Environmental Toxicology and Pharmacology, 2018, 62, 11-19. | 4.0 | 29 |
| 20 | Eco-friendly chitosan/Î²-carrageenan membranes reinforced with activated bentonite for adsorption of methylene blue. Materials Chemistry and Physics, 2022, 278, 125611. | 4.0 | 28 |
| 21 | The Carboxylated Multi-walled Carbon Nanotubes/l-Asparaginase Doped Calcium-Alginate Beads: Structural and Biocatalytic Characterization. Catalysis Letters, 2020, 150, 1679-1691. | 2.6 | 22 |
| 22 | Tunable and tough porous chitosan/Î²-cyclodextrin/tannic acid biocomposite membrane with mechanic, antioxidant, and antimicrobial properties. International Journal of Biological Macromolecules, 2021, 188, 696-707. | 7.5 | 22 |
| 23 | Chitosan/Polyvinylpyrrolidone/MCMâ€41 Composite Hydrogel Films: Structural, Thermal, Surface, and Antibacterial Properties. Starch/Staerke, 2018, 70, 1700303. | 2.1 | 19 |
| 24 | Development of l-asparaginase@hybrid Nanoflowers (ASNase@HNFs) Reactor System with Enhanced Enzymatic Reusability and Stability. Catalysis Letters, 2021, 151, 1191-1201. | 2.6 | 17 |
| 25 | l-asparaginase immobilized p(HEMA-GMA) cryogels: A recent study for biochemical, thermodynamic and kinetic parameters. Polymer Testing, 2021, 93, 106980. | 4.8 | 17 |
| 26 | Melatonin protects sperm cells of Capoeta trutta from toxicity of titanium dioxide nanoparticles. Environmental Science and Pollution Research, 2020, 27, 17843-17853. | 5.3 | 15 |
| 27 | Comparative study of catalase immobilization via adsorption on P(MMA-co-PEG500MA) structures as an effective polymer support. Polymer Bulletin, 2021, 78, 2663-2684. | 3.3 | 14 |
| 28 | Fabrication of electrospun polycaprolactone/chitosan nanofiber-modified screen-printed electrode for highly sensitive detection of diazinon in food analysis. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110250. | 5.0 | 14 |
| 29 | Investigation of toxic effects of amorphous SiO2 nanoparticles on motility and oxidative stress markers in rainbow trout sperm cells. Environmental Science and Pollution Research, 2019, 26, 15641-15652. | 5.3 | 11 |
| 30 | Biomedical applications of hybrid polymer composite materials. , 2017, , 343-408. | | 10 |
| 31 | Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2018, 18, . | 0.9 | 10 |
| 32 | Î±â€Amylase Immobilization on P(HEMAâ€coâ€PEGMA) Hydrogels: Preparation, Characterization, and Catalytic Investigation. Starch/Staerke, 2021, 73, 2000217. | 2.1 | 8 |
| 33 | Tailor-made shape memory stents for therapeutic enzymes: A novel approach to enhance enzyme performance. International Journal of Biological Macromolecules, 2021, 185, 966-982. | 7.5 | 7 |
| 34 | A Positive Effect of Magnetic Field on the Catalytic Activity of Immobilized L-Asparaginase: Evaluation of its Feasibility. Catalysis Letters, 2023, 153, 1250-1264. | 2.6 | 6 |
| 35 | Preparation, characterization, and inÂvitro release study of vincristine sulfate-loaded chitosanâ€“polyethylene glycolâ€“oleic acid composites. International Journal of Polymer Analysis and Characterization, 2021, 26, 291-308. | 1.9 | 5 |
| 36 | Preparation, Controlled Drug Release, and Cell Viability Evaluation of Tenofovir Alafenamideâ€Loaded Chitosan Nanoparticles. Starch/Staerke, 2024, 76, . | 2.1 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Fabrication of Oleic Acid Grafted Starchâ€based Hybrid Carriers for <scp>l</scp>â€Asparaginase Encapsulation. Starch/Staerke, 2024, 76, 2100152. | 2.1 | 5 |
| 38 | Preparation and Characterization of Amino-Functionalized Zeolite/SiO2 Materials for Trypsinâ€“Chymotrypsin Co-immobilization. Catalysis Letters, 2021, 151, 2463-2477. | 2.6 | 4 |
| 39 | Effects of taurine and apocynin on the zone of stasis. Burns, 2022, 48, 1850-1862. | 1.9 | 1 |
| 40 | The Cytotoxicity, DNA Fragmentation, and Decreasing Velocity Induced By Chromium(III) Oxide on Rainbow Trout Spermatozoa. Biological Trace Element Research, 2023, 201, 968-983. | 3.5 | 0 |