

Ismail Ocsoy

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

4,561
citations

76326

40
h-index

102487

66
g-index

74
all docs

74
docs citations

74
times ranked

4711
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Synthesis of taurine-Cu ₃ (PO ₄) ₂ hybrid nanoflower and their peroxidase-mimic and antimicrobial properties. <i>Journal of Biotechnology</i> , 2022, 343, 96-101. | 3.8 | 21 |
| 2 | Can food and food supplements be deployed in the fight against the COVID 19 pandemic?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129801. | 2.4 | 21 |
| 3 | Dopamine and norepinephrine assistant-synthesized nanoflowers immobilized membrane with peroxidase mimic activity for efficient detection of model substrates. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 117-125. | 3.1 | 23 |
| 4 | Exogenous pulmonary surfactant: A review focused on adjunctive therapy for severe acute respiratory syndrome coronavirus 2 including SP-A and SP-D as added clinical marker. <i>Current Opinion in Colloid and Interface Science</i> , 2021, 51, 101413. | 7.4 | 37 |
| 5 | Novel Anthocyanin-Based Colorimetric Assay for the Rapid, Sensitive, and Quantitative Detection of <i>Helicobacter pylori</i> . <i>Analytical Chemistry</i> , 2021, 93, 6246-6253. | 6.5 | 29 |
| 6 | Green synthesis of silver nanoparticles using aqueous extracts of three <i>Sideritis</i> species from Turkey and evaluations bioactivity potentials. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100426. | 3.3 | 34 |
| 7 | DNA Aptamer-Conjugated Magnetic Graphene Oxide for Pathogenic Bacteria Aggregation: Selective and Enhanced Photothermal Therapy for Effective and Rapid Killing. <i>ACS Omega</i> , 2021, 6, 20637-20643. | 3.5 | 23 |
| 8 | A facile and one-pot aqueous phase transfer of oleylamine capped Au NP with aminophenylboronic acid used as transfer and targeting ligand. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109810. | 3.2 | 12 |
| 9 | Co-Enzymes based nanoflowers incorporated-magnetic carbon nanotubes: A new generation nanocatalyst for superior removal of cationic and anionic dyes with great repeated use. <i>Environmental Technology and Innovation</i> , 2021, 24, 101992. | 6.1 | 13 |
| 10 | Investigation of ellagic acid rich-berry extracts directed silver nanoparticles synthesis and their antimicrobial properties with potential mechanisms towards <i>Enterococcus faecalis</i> and <i>Candida albicans</i> . <i>Journal of Biotechnology</i> , 2021, 341, 155-162. | 3.8 | 40 |
| 11 | Preparation of magnetic horseradish peroxidase-laccase nanoflower for rapid and efficient dye degradation with dual mechanism and cyclic use. <i>Materials Letters</i> , 2021, 303, 130501. | 2.6 | 21 |
| 12 | A RATIONAL SYNTHESIS OF MAGNETIC NANOPARTICLES INCORPORATED HORSERADISH PEROXIDASE NANOFLOWER AND ITS USE FOR THE REMOVAL OF PHENOL THROUGH OXIDATIVE COUPLING REACTION WITH GREAT REUSABILITY. <i>Muğla Journal of Science and Technology</i> , 2021, 7, 59-66. | 0.1 | 4 |
| 13 | Simultaneous use of phenylboronic acid as a phase transfer agent and targeting ligand for gold nanoparticles. <i>Materials Letters</i> , 2020, 280, 128561. | 2.6 | 18 |
| 14 | Preparation of nature inspired indicator based agar for detection and identification of MRSA and MRSE. <i>Talanta</i> , 2020, 219, 121292. | 5.5 | 13 |
| 15 | Preparation of natural indicator incorporated media and its logical use as a colorimetric biosensor for rapid and sensitive detection of Methicillin-resistant <i>Staphylococcus aureus</i> . <i>Analytica Chimica Acta</i> , 2020, 1128, 80-89. | 5.4 | 15 |
| 16 | Response to McIntyre et al., 2020: A rapid systematic review of the efficacy of face masks and respirators against coronaviruses and other respiratory transmissible viruses for the community, healthcare workers and sick patients. <i>International Journal of Nursing Studies</i> , 2020, 109, 103714. | 5.6 | 6 |
| 17 | Transfer of hydrophobic colloidal gold nanoparticles to aqueous phase using catecholamines. <i>Journal of Molecular Liquids</i> , 2020, 315, 113796. | 4.9 | 15 |
| 18 | Gallic acid nanoflower immobilized membrane with peroxidase-like activity for m-cresol detection. <i>Scientific Reports</i> , 2020, 10, 16765. | 3.3 | 34 |

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|----|--|-----|-----------|
| 19 | Can concomitant use of zinc and curcumin with other immunity-boosting nutraceuticals be the arsenal against COVID-19?. <i>Phytotherapy Research</i> , 2020, 34, 2425-2428. | 5.8 | 41 |
| 20 | Peroxidase-like activity and antimicrobial properties of curcumin-inorganic hybrid nanostructure. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2574-2579. | 3.8 | 30 |
| 21 | Bio-molecule functionalized rapid one-pot green synthesis of silver nanoparticles and their efficacy toward the multidrug resistant (MDR) gut bacteria of silkworms (<i>Bombyx mori</i>). <i>RSC Advances</i> , 2020, 10, 22742-22757. | 3.6 | 45 |
| 22 | Horseradish peroxidase-based hybrid nanoflowers with enhanced catalytic activities for polymerization reactions of phenol derivatives. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2371-2377. | 3.2 | 18 |
| 23 | Green synthesis of allicin based hybrid nanoflowers with evaluation of their catalytic and antimicrobial activities. <i>Biotechnology Letters</i> , 2020, 42, 1683-1690. | 2.2 | 46 |
| 24 | Building block and rapid synthesis of catecholamines-inorganic nanoflowers with their peroxidase-mimicking and antimicrobial activities. <i>Scientific Reports</i> , 2020, 10, 2903. | 3.3 | 62 |
| 25 | One step preparation of stable gold nanoparticle using red cabbage extracts under UV light and its catalytic activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 204, 111800. | 3.8 | 64 |
| 26 | Kudret Narı (Momordica charantia Descourt.) Meyvesinden Safılaırtılan Peroksidaz Enzimi Kullanılarak Hibrit Nano ĖiĖekler Sentezlenmesi ve Direct blue 1 Gideriminde Kullanılabilirlikleri. <i>Bitlis Eren Ėniversitesi Fen Bilimleri Dergisi</i> , 2020, 9, 573-583. | 0.5 | 4 |
| 27 | A new approach for green synthesis and characterization of Artemisia L. (Asteraceae) genotype extracts-Cu ²⁺ nanocomplexes (nanoflower) and their effective antimicrobial activity. <i>Medicine Science</i> , 2020, 9, 191. | 0.1 | 15 |
| 28 | Extracellular directed ag NPs formation and investigation of their antimicrobial and cytotoxic properties. <i>Saudi Pharmaceutical Journal</i> , 2019, 27, 9-16. | 2.7 | 34 |
| 29 | Effect of feed supplementation with biosynthesized silver nanoparticles using leaf extract of Morus indica L. V1 on Bombyx mori L. (Lepidoptera: Bombycidae). <i>Scientific Reports</i> , 2019, 9, 14839. | 3.3 | 82 |
| 30 | Preparation of biocompatible and stable iron oxide nanoparticles using anthocyanin integrated hydrothermal method and their antimicrobial and antioxidant properties. <i>Materials Research Express</i> , 2019, 6, 125011. | 1.6 | 22 |
| 31 | Synthesis of Long-Term Stable Gold Nanoparticles Benefiting from Red Raspberry (<i>Rubus idaeus</i>), Strawberry (<i>Fragaria ananassa</i>), and Blackberry (<i>Rubus fruticosus</i>) Extracts-“Gold Ion Complexation and Investigation of Reaction Conditions. <i>ACS Omega</i> , 2019, 4, 18637-18644. | 3.5 | 44 |
| 32 | Biosynthesis of silver nanoparticles and their versatile antimicrobial properties. <i>Materials Research Express</i> , 2019, 6, 012001. | 1.6 | 72 |
| 33 | Organik-inorganik hibrit nano ĖiĖeklerin Ėsemen (Trigonella foenum-graecum L.) tohum ekstresi kullanılarak sentezi ve anti-mikrobiyal Ėzelliklerinin araırtılması. <i>Derim</i> , 2019, 36, 159-167. | 0.4 | 25 |
| 34 | Nanotechnology in Plants. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 164, 263-275. | 1.1 | 18 |
| 35 | Biomolecules incorporated metallic nanoparticles synthesis and their biomedical applications. <i>Materials Letters</i> , 2018, 212, 45-50. | 2.6 | 87 |
| 36 | Comparison of phytotoxic effects of bio-synthesised copper oxide nanoparticle and ionic copper on <i>Elodea canadensis</i> . <i>Chemistry and Ecology</i> , 2018, 34, 839-853. | 1.6 | 14 |

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|----|--|-----|-----------|
| 37 | Formation of functional nanobiocatalysts with a novel and encouraging immobilization approach and their versatile bioanalytical applications. <i>RSC Advances</i> , 2018, 8, 25298-25303. | 3.6 | 55 |
| 38 | Self assembled snowball-like hybrid nanostructures comprising <i>Viburnum opulus L.</i> extract and metal ions for antimicrobial and catalytic applications. <i>Enzyme and Microbial Technology</i> , 2017, 102, 60-66. | 3.2 | 89 |
| 39 | Green synthesis with incorporated hydrothermal approaches for silver nanoparticles formation and enhanced antimicrobial activity against bacterial and fungal pathogens. <i>Journal of Molecular Liquids</i> , 2017, 238, 263-269. | 4.9 | 77 |
| 40 | A hierarchical assembly of flower-like hybrid Turkish black radish peroxidase-Cu ²⁺ nanobiocatalyst and its effective use in dye decolorization. <i>Chemosphere</i> , 2017, 182, 122-128. | 8.2 | 97 |
| 41 | A green approach for formation of silver nanoparticles on magnetic graphene oxide and highly effective antimicrobial activity and reusability. <i>Journal of Molecular Liquids</i> , 2017, 227, 147-152. | 4.9 | 85 |
| 42 | Synthesis and characterization of green tea (<i>Camellia sinensis (L.) Kuntze</i>) extract and its major components-based nanoflowers: a new strategy to enhance antimicrobial activity. <i>RSC Advances</i> , 2017, 7, 44303-44308. | 3.6 | 79 |
| 43 | Formation of <i>Matricaria chamomilla</i> extract-incorporated Ag nanoparticles and size-dependent enhanced antimicrobial property. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 78-83. | 3.8 | 62 |
| 44 | DNA aptamer functionalized gold nanostructures for molecular recognition and photothermal inactivation of methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 16-22. | 5.0 | 71 |
| 45 | Anthocyanins-rich berry extracts directed formation of Ag NPs with the investigation of their antioxidant and antimicrobial activities. <i>Journal of Molecular Liquids</i> , 2017, 248, 1044-1049. | 4.9 | 60 |
| 46 | The Effect of <i>Pelargonium endlicherianum Fenzl.</i> root extracts on formation of nanoparticles and their antimicrobial activities. <i>Enzyme and Microbial Technology</i> , 2017, 97, 21-26. | 3.2 | 98 |
| 47 | Low Concentrations of a Silver-Based Nanocomposite to Manage Bacterial Spot of Tomato in the Greenhouse. <i>Plant Disease</i> , 2016, 100, 1460-1465. | 1.4 | 104 |
| 48 | Biosynthesis of red cabbage extract directed Ag NPs and their effect on the loss of antioxidant activity. <i>Materials Letters</i> , 2016, 179, 20-23. | 2.6 | 71 |
| 49 | A new generation approach in enzyme immobilization: Organic-inorganic hybrid nanoflowers with enhanced catalytic activity and stability. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 105-112. | 3.2 | 191 |
| 50 | Chamomile flower extract-directed CuO nanoparticle formation for its antioxidant and DNA cleavage properties. <i>Materials Science and Engineering C</i> , 2016, 60, 333-338. | 7.3 | 139 |
| 51 | ICG-Conjugated magnetic graphene oxide for dual photothermal and photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 30285-30292. | 3.6 | 55 |
| 52 | Bovine serum albumin-Cu(II) hybrid nanoflowers: An effective adsorbent for solid phase extraction and slurry sampling flame atomic absorption spectrometric analysis of cadmium and lead in water, hair, food and cigarette samples. <i>Analytica Chimica Acta</i> , 2016, 906, 110-117. | 5.4 | 75 |
| 53 | Preparation of lactoperoxidase incorporated hybrid nanoflower and its excellent activity and stability. <i>International Journal of Biological Macromolecules</i> , 2016, 84, 402-409. | 7.5 | 107 |
| 54 | Synthesis of urease hybrid nanoflowers and their enhanced catalytic properties. <i>Enzyme and Microbial Technology</i> , 2016, 86, 134-142. | 3.2 | 106 |

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|----|--|------|-----------|
| 55 | Synthesis of copper ion incorporated horseradish peroxidase-based hybrid nanoflowers for enhanced catalytic activity and stability. Dalton Transactions, 2015, 44, 13845-13852. | 3.3 | 141 |
| 56 | A new generation of flowerlike horseradish peroxidases as a nanobiocatalyst for superior enzymatic activity. Enzyme and Microbial Technology, 2015, 75-76, 25-29. | 3.2 | 93 |
| 57 | A Cell-Targeted, Size-Photocontrollable, Nuclear-Uptake Nanodrug Delivery System for Drug-Resistant Cancer Therapy. Nano Letters, 2015, 15, 457-463. | 9.1 | 209 |
| 58 | Reversible Phase Transfer of Nanoparticles Based on Photoswitchable Host-Guest Chemistry. ACS Nano, 2014, 8, 2555-2561. | 14.6 | 127 |
| 59 | Gold-Coated Fe ₃ O ₄ Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging, and Therapy. Advanced Functional Materials, 2014, 24, 1772-1780. | 14.9 | 172 |
| 60 | Nanotechnology in Plant Disease Management: DNA-Directed Silver Nanoparticles on Graphene Oxide as an Antibacterial against <i>Xanthomonas perforans</i> . ACS Nano, 2013, 7, 8972-8980. | 14.6 | 470 |
| 61 | DNA-Guided Metal Nanoparticle Formation on Graphene Oxide Surface. Advanced Materials, 2013, 25, 2319-2325. | 21.0 | 137 |
| 62 | Aptamer-Conjugated Multifunctional Nanoflowers as a Platform for Targeting, Capture, and Detection in Laser Desorption Ionization Mass Spectrometry. ACS Nano, 2013, 7, 417-427. | 14.6 | 100 |
| 63 | Cancer cell sensing and therapy using affinity tag-conjugated gold nanorods. Interface Focus, 2013, 3, 20130006. | 3.0 | 42 |
| 64 | NUCLEIC ACID-FUNCTIONALIZED NANOMATERIALS. Nano LIFE, 2013, 03, 1340004. | 0.9 | 13 |
| 65 | Molecular recognition of live methicillin-resistant staphylococcus aureus cells using DNA aptamers. World Journal of Translational Medicine, 2013, 2, 67. | 3.5 | 54 |
| 66 | Enrichment and Detection of Rare Proteins with Aptamer-Conjugated Gold Nanorods. Analytical Chemistry, 2012, 84, 6008-6015. | 6.5 | 76 |
| 67 | One-Step Facile Surface Engineering of Hydrophobic Nanocrystals with Designer Molecular Recognition. Journal of the American Chemical Society, 2012, 134, 13164-13167. | 13.7 | 56 |
| 68 | Aptamer-Nanoparticle Assembly for Logic-Based Detection. ACS Applied Materials & Interfaces, 2012, 4, 3007-3011. | 8.0 | 68 |
| 69 | Aptamers selected by cell-SELEX for application in cancer studies. Bioanalysis, 2010, 2, 907-918. | 1.5 | 63 |