

# Ismail Ocsoy

## List of Publications by Year in descending order

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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	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
2	A Cell-Targeted, Size-Photocontrollable, Nuclear-Uptake Nanodrug Delivery System for Drug-Resistant Cancer Therapy. Nano Letters, 2015, 15, 457-463.	9.1	209
3	A new generation approach in enzyme immobilization: Organic-inorganic hybrid nanoflowers with enhanced catalytic activity and stability. Enzyme and Microbial Technology, 2016, 93-94, 105-112.	3.2	191
4	Gold-Coated Fe <sub>3</sub> O <sub>4</sub> Nanoroses with Five Unique Functions for Cancer Cell Targeting, Imaging, and Therapy. Advanced Functional Materials, 2014, 24, 1772-1780.	14.9	172
5	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
6	Chamomile flower extract-directed CuO nanoparticle formation for its antioxidant and DNA cleavage properties. Materials Science and Engineering C, 2016, 60, 333-338.	7.3	139
7	DNA-Guided Metal Nanoparticle Formation on Graphene Oxide Surface. Advanced Materials, 2013, 25, 2319-2325.	21.0	137
8	Reversible Phase Transfer of Nanoparticles Based on Photoswitchable Host-Guest Chemistry. ACS Nano, 2014, 8, 2555-2561.	14.6	127
9	Preparation of lactoperoxidase incorporated hybrid nanoflower and its excellent activity and stability. International Journal of Biological Macromolecules, 2016, 84, 402-409.	7.5	107
10	Synthesis of urease hybrid nanoflowers and their enhanced catalytic properties. Enzyme and Microbial Technology, 2016, 86, 134-142.	3.2	106
11	Low Concentrations of a Silver-Based Nanocomposite to Manage Bacterial Spot of Tomato in the Greenhouse. Plant Disease, 2016, 100, 1460-1465.	1.4	104
12	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
13	The Effect of Pelargonium endlicherianum Fenzl. root extracts on formation of nanoparticles and their antimicrobial activities. Enzyme and Microbial Technology, 2017, 97, 21-26.	3.2	98
14	A hierarchical assembly of flower-like hybrid Turkish black radish peroxidase-Cu <sup>2+</sup> nanobiocatalyst and its effective use in dye decolorization. Chemosphere, 2017, 182, 122-128.	8.2	97
15	A new generation of flowerlike horseradish peroxides as a nanobiocatalyst for superior enzymatic activity. Enzyme and Microbial Technology, 2015, 75-76, 25-29.	3.2	93
16	Self assembled snowball-like hybrid nanostructures comprising Viburnum opulus L. extract and metal ions for antimicrobial and catalytic applications. Enzyme and Microbial Technology, 2017, 102, 60-66.	3.2	89
17	Biomolecules incorporated metallic nanoparticles synthesis and their biomedical applications. Materials Letters, 2018, 212, 45-50.	2.6	87
18	A green approach for formation of silver nanoparticles on magnetic graphene oxide and highly effective antimicrobial activity and reusability. Journal of Molecular Liquids, 2017, 227, 147-152.	4.9	85

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19	Effect of feed supplementation with biosynthesized silver nanoparticles using leaf extract of <i>Morus indica</i> L. V1 on <i>Bombyx mori</i> L. (Lepidoptera: Bombycidae). <i>Scientific Reports</i> , 2019, 9, 14839.	3.3	82
20	Synthesis and characterization of green tea ( <i>Camellia sinensis</i> (L.) Kuntze) 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
21	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
22	Enrichment and Detection of Rare Proteins with Aptamer-Conjugated Gold Nanorods. <i>Analytical Chemistry</i> , 2012, 84, 6008-6015.	6.5	76
23	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
24	Biosynthesis of silver nanoparticles and their versatile antimicrobial properties. <i>Materials Research Express</i> , 2019, 6, 012001.	1.6	72
25	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
26	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
27	Aptamer-Nanoparticle Assembly for Logic-Based Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3007-3011.	8.0	68
28	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
29	Aptamers selected by cell-SELEX for application in cancer studies. <i>Bioanalysis</i> , 2010, 2, 907-918.	1.5	63
30	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
31	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
32	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
33	One-Step Facile Surface Engineering of Hydrophobic Nanocrystals with Designer Molecular Recognition. <i>Journal of the American Chemical Society</i> , 2012, 134, 13164-13167.	13.7	56
34	ICG-Conjugated magnetic graphene oxide for dual photothermal and photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 30285-30292.	3.6	55
35	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
36	Molecular recognition of live methicillin-resistant <i>Staphylococcus aureus</i> cells using DNA aptamers. <i>World Journal of Translational Medicine</i> , 2013, 2, 67.	3.5	54

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37	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
38	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
39	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> ) Extractsâ€™Gold Ion Complexation and Investigation of Reaction Conditions. <i>ACS Omega</i> , 2019, 4, 18637-18644.	3.5	44
40	Cancer cell sensing and therapy using affinity tag-conjugated gold nanorods. <i>Interface Focus</i> , 2013, 3, 20130006.	3.0	42
41	Can concomitant use of zinc and curcumin with other immunityâ€™boosting nutraceuticals be the arsenal against COVID-19?. <i>Phytotherapy Research</i> , 2020, 34, 2425-2428.	5.8	41
42	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
43	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
44	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
45	Gallic acid nanoflower immobilized membrane with peroxidase-like activity for m-cresol detection. <i>Scientific Reports</i> , 2020, 10, 16765.	3.3	34
46	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
47	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
48	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
49	Organik-inorganik hibrit nano Åšeklerin Åšemen ( <i>Trigonella foenum-graecum</i> L.) tohum ekstresi kullanılarak sentezi ve anti-mikrobiyal Å¶zelliklerinin arařtırılması. <i>Derim</i> , 2019, 36, 159-167.	0.4	25
50	Dopamine and norepinephrine assistant-synthesized nanoflowers immobilized membrane with peroxidase mimic activity for efficient detection of model substrates. <i>Applied Nanoscience</i> (Switzerland), 2021, 11, 117-125.	3.1	23
51	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
52	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
53	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
54	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

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55	Synthesis of taurine-Cu <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub> hybrid nanoflower and their peroxidase-mimic and antimicrobial properties. <i>Journal of Biotechnology</i> , 2022, 343, 96-101.	3.8	21
56	Nanotechnology in Plants. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2018, 164, 263-275.	1.1	18
57	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
58	Horseradish peroxidase-based hybrid nanoflowers with enhanced catalytical activities for polymerization reactions of phenol derivatives. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2371-2377.	3.2	18
59	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
60	Transfer of hydrophobic colloidal gold nanoparticles to aqueous phase using catecholamines. <i>Journal of Molecular Liquids</i> , 2020, 315, 113796.	4.9	15
61	A new approach for green synthesis and characterization of <i>Artemisia L.</i> (Asteraceae) genotype extracts -Cu <sup>2+</sup> nanocomplexes (nanoflower) and their effective antimicrobial activity. <i>Medicine Science</i> , 2020, 9, 191.	0.1	15
62	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
63	NUCLEIC ACID-FUNCTIONALIZED NANOMATERIALS. <i>Nano LIFE</i> , 2013, 03, 1340004.	0.9	13
64	Preparation of nature inspired indicator based agar for detection and identification of MRSA and MRSE. <i>Talanta</i> , 2020, 219, 121292.	5.5	13
65	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
66	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
67	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
68	Kudret Narı (Momordica charantia Descourt.) Meyvesinden Saf ve Etkin Peroksidaz Enzimi Kullanılarak Hibrit Nano AĖekler Sentezlenmesi ve Direct blue 1 Gideriminde Kullanılabilirlikleri. <i>Bitlis Eren Ėniversitesi Fen Bilimleri Dergisi</i> , 2020, 9, 573-583.	0.5	4
69	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>MuĖla Journal of Science and Technology</i> , 2021, 7, 59-66.	0.1	4