

# Zoya Zaheer

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

823  
citations

567281

15  
h-index

501196

28  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticles to self-assembled films: Green synthesis and characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 90, 48-52.	5.0	103
2	Eco-friendly green synthesis of Ag@Fe bimetallic nanoparticles: Antioxidant, antimicrobial and photocatalytic degradation of bromothymol blue. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 143-152.	3.8	92
3	Adsorption of methyl red on biogenic Ag@Fe nanocomposite adsorbent: Isotherms, kinetics and mechanisms. <i>Journal of Molecular Liquids</i> , 2019, 283, 287-298.	4.9	81
4	Adsorption, equilibrium isotherm, and thermodynamic studies to the removal of acid orange 7. <i>Materials Chemistry and Physics</i> , 2019, 232, 109-120.	4.0	54
5	Biogenic synthesis, optical, catalytic, and in vitro antimicrobial potential of Ag-nanoparticles prepared using Palm date fruit extract. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 178, 584-592.	3.8	48
6	Bio-conjugated silver nanoparticles: From <i>Ocimum sanctum</i> and role of cetyltrimethyl ammonium bromide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 90-94.	5.0	35
7	Growth of Ag-nanoparticles in an aqueous solution and their antimicrobial activities against Gram positive, Gram negative bacterial strains and <i>Candida</i> fungus. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 575-584.	3.4	34
8	Betanin assisted synthesis of betanin@silver nanoparticles and their enhanced adsorption and biological activities. <i>Food Chemistry</i> , 2019, 298, 125014.	8.2	34
9	Preparation of silver nanoparticles using tryptophan and its formation mechanism. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 587-592.	5.0	32
10	Multi-branched flower-like silver nanoparticles: Preparation and characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 427-431.	4.7	29
11	Silver nanoparticles formation using tyrosine in presence cetyltrimethylammonium bromide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 211-215.	5.0	28
12	Sub- and post-micellar catalytic and inhibitory effects of cetyltrimethylammonium bromide in the permanganate oxidation of phenylalanine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 69, 251-256.	5.0	24
13	Photo-oxidative Decolorization of Brilliant Blue with AgNPs as an Activator in the Presence of $K_2S_2O_8$ and $NaBH_4$ . <i>ACS Omega</i> , 2021, 6, 27510-27526.	3.5	24
14	Chitosan capped noble metal doped CeO <sub>2</sub> nanomaterial: Synthesis, and their enhanced catalytic activities. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1258-1271.	7.5	17
15	Nucleation and growth kinetics of silver nanoparticles prepared by glutamic acid in micellar media. <i>International Journal of Chemical Kinetics</i> , 2012, 44, 680-691.	1.6	16
16	Role of ionic surfactants on the nucleation and growth of silver nanoparticles. <i>Journal of Molecular Liquids</i> , 2021, 341, 117309.	4.9	16
17	Sennoside A drug capped biogenic fabrication of silver nanoparticles and their antibacterial and antifungal activities. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 1035-1048.	2.7	15
18	Eco-friendly walnut shell powder based facile fabrication of biogenic Ag-nanodisks, and their interaction with bovine serum albumin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 193, 8-17.	3.8	14

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19	Cetyltrimethylammonium bromide assisted synthesis of silver nanoparticles and their catalytic activity. <i>Journal of Molecular Liquids</i> , 2017, 242, 1035-1041.	4.9	12
20	Fabrication of zinc/silver binary nanoparticles, their enhanced microbial and adsorbing properties. <i>Arabian Journal of Chemistry</i> , 2020, 13, 7921-7938.	4.9	11
21	Reversible encapsulation of silver nanoparticles into the helix of amylose (water soluble starch). <i>RSC Advances</i> , 2016, 6, 60513-60521.	3.6	10
22	Effects of cationic and anionic micelles on the morphology of biogenic silver nanoparticles, and their catalytic activity for congo red. <i>Journal of Molecular Liquids</i> , 2016, 220, 364-369.	4.9	9
23	2-Hydroxy-1, 4-naphthoquinone solubilization, thermodynamics and adsorption kinetics with surfactant. <i>Chinese Journal of Chemical Engineering</i> , 2021, 32, 212-223.	3.5	9
24	Chitosan-capped silver nanoparticles: fabrication, oxidative dissolution, sensing properties, and antimicrobial activity. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	9
25	Capping action of ionic surfactants on the nucleation of lawsone-Ag <sup>+</sup> redox system. <i>Journal of Molecular Liquids</i> , 2020, 309, 113214.	4.9	8
26	Biogenic fabrication of silver nanoparticles, oxidative dissolution and antimicrobial activities. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101414.	5.2	7
27	Sodium dodecyl sulphate-assisted synthesis, optical properties and catalytic activities of silver/manganese dioxide nanocomposites. <i>Journal of Molecular Liquids</i> , 2018, 258, 310-318.	4.9	6
28	Gold@Silver bimetallic nanoparticles: fabrication and removal of toxic chromium(VI). <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11043-11058.	2.2	6
29	Interactions of Ag <sup>+</sup> ions and Ag-nanoparticles with protein. A comparative and multi spectroscopic investigation. <i>Journal of Molecular Liquids</i> , 2021, 335, 116226.	4.9	6
30	Silver-Cobalt bimetallic nanoparticles to the generation of hydrogen from formic acid decomposition. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103795.	4.9	6
31	A Kinetic and Mechanistic Study of the Reaction Between and Methionine: Evidence for the Formation of Water Soluble Colloidal MnO <sub>2</sub> . <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 104-109.	2.4	5
32	Preparation, characterisation and kinetics of corn-shaped Ag nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 366-377.	2.4	5
33	Formation, characterisation and redox behaviour of water-soluble colloidal manganese dioxide. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 74-84.	2.4	4
34	Seedless synthesis of nanocomposites, optical properties, and effects of additives on their surface resonance plasmon bands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 182, 87-94.	3.9	4
35	Anionic-micelles assisted oxidation of tartaric acid by permanganate: A kinetic and mechanistic approach. <i>Journal of Molecular Liquids</i> , 2017, 229, 436-442.	4.9	4
36	Rose cyanidin 3,5-di-O-glucoside-assisted gold nanoparticles, their antiradical and photocatalytic activities. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 8780-8795.	2.2	3

#	ARTICLE	IF	CITATIONS
37	Chitosan and cetyltrimethylammonium bromide capped Iridium-silver bimetallic nanoparticles: A comparative study. <i>Journal of Molecular Liquids</i> , 2022, 358, 119182.	4.9	3