

Muhammad Ismail

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23 papers	798 citations	15 h-index	24 g-index
24 ext. papers	1,081 ext. citations	3.7 avg, IF	4.58 L-index

#	Paper	IF	Citations
23	Grass-derived carbon nanodots as a fluorescent-sensing platform for label-free detection of Cu (II) ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 5626	2.1	1
22	Role of silver nanoparticles in fluorimetric determination of urea in urine samples.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 271, 120889	4.4	0
21	Green synthesis of manganese-doped superparamagnetic iron oxide nanoparticles for the effective removal of Pb(ii) from aqueous solutions. <i>Green Processing and Synthesis</i> , 2022 , 11, 287-305	3.9	
20	Highly efficient and recoverable Ag-Cu bimetallic catalyst supported on taro-rhizome powder applied for nitroarenes and dyes reduction. <i>Journal of Materials Research and Technology</i> , 2022 , 18, 769-787	5.5	1
19	Synthesis of Biogenic Silver Nanocatalyst and their Antibacterial and Organic Pollutants Reduction Ability.. <i>ACS Omega</i> , 2022 , 7, 14723-14734	3.9	2
18	Synthesis of high surface area AgNPs from Dodonaea viscosa plant for the removal of pathogenic microbes and persistent organic pollutants. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114770	3.1	16
17	Design of simple and efficient metal nanoparticles templated on ZnO-chitosan coated textile cotton towards the catalytic reduction of organic pollutants. <i>Journal of Industrial Textiles</i> , 2020 , 152808372093148	1.6	6
16	Characterizations and analysis of the antioxidant, antimicrobial, and dye reduction ability of green synthesized silver nanoparticles. <i>Green Processing and Synthesis</i> , 2020 , 9, 693-705	3.9	8
15	A Simple but Efficient Catalytic Approach for the Degradation of Pollutants in Aqueous Media through Cicer arietinum Supported Ni Nanoparticles. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020 , 234, 1789-1802	3.1	5
14	Plant-supported silver nanoparticles: Efficient, economically viable and easily recoverable catalyst for the reduction of organic pollutants. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4971	3.1	20
13	Catalytic reduction of nitrophenols and dyes using silver nanoparticles @ cellulose polymer paper for the resolution of waste water treatment challenges. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 577, 548-561	5.1	85
12	Phytosynthesis of silver nanoparticles; naked eye cellulose filter paper dual mechanism sensor for mercury ions and ammonia in aqueous solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 7367-7383	2.1	20
11	Medicago polymorpha-mediated antibacterial silver nanoparticles in the reduction of methyl orange. <i>Green Processing and Synthesis</i> , 2019 , 8, 118-127	3.9	26
10	Green synthesis of zerovalent copper nanoparticles for efficient reduction of toxic azo dyes congo red and methyl orange. <i>Green Processing and Synthesis</i> , 2019 , 8, 135-143	3.9	64
9	Pollution, Toxicity and Carcinogenicity of Organic Dyes and their Catalytic Bio-Remediation. <i>Current Pharmaceutical Design</i> , 2019 , 25, 3645-3663	3.3	130
8	Biosynthesized silver supported catalysts for disinfection of Escherichia coli and organic pollutant from drinking water. <i>Journal of Molecular Liquids</i> , 2019 , 281, 295-306	6	18
7	A highly efficient and multifunctional biomass supporting Ag, Ni, and Cu nanoparticles through wetness impregnation for environmental remediation. <i>Green Processing and Synthesis</i> , 2019 , 8, 309-319	3.9	21

6	Green synthesis of plant supported CuAg and CuNi bimetallic nanoparticles in the reduction of nitrophenols and organic dyes for water treatment. <i>Journal of Molecular Liquids</i> , 2018 , 260, 78-91	6	124
5	Biosynthesis of silver nanoparticles: A colorimetric optical sensor for detection of hexavalent chromium and ammonia in aqueous solution. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018 , 103, 367-376	3	68
4	Catalytic reduction of picric acid, nitrophenols and organic azo dyes via green synthesized plant supported Ag nanoparticles. <i>Journal of Molecular Liquids</i> , 2018 , 268, 87-101	6	96
3	Green synthesis of antibacterial bimetallic AgCu nanoparticles for catalytic reduction of persistent organic pollutants. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20840-20855	2.1	27
2	Plant Mediated Green Synthesis of Anti-Microbial Silver Nanoparticles: A Review on Recent Trends. <i>Reviews in Nanoscience and Nanotechnology</i> , 2016 , 5, 119-135		19
1	Novel synthesis of silver nanoparticles using melon aqueous extract and evaluation of their feeding deterrent activity against housefly <i>Musca domestica</i> . <i>Asian Pacific Journal of Tropical Disease</i> , 2016 , 6, 311-316		40