

Amal M Al-Mohaimed

List of Publications by Year in descending order

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45
papers

1,030
citations

471061

17
h-index

433756

31
g-index

46
all docs

46
docs citations

46
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Pesticides in Drinking Water—A Review. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 468.	1.2	271
2	Photocatalytic effect of CuO nanoparticles flower-like 3D nanostructures under visible light irradiation with the degradation of methylene blue (MB) dye for environmental application. <i>Environmental Research</i> , 2022, 203, 111880.	3.7	91
3	Adsorption of copper and nickel by using sawdust chitosan nanocomposite beads – A kinetic and thermodynamic study. <i>Environmental Research</i> , 2022, 203, 111814.	3.7	72
4	Characterization of microplastics in the water and sediment of Baram River estuary, Borneo Island. <i>Marine Pollution Bulletin</i> , 2021, 172, 112880.	2.3	55
5	Reproducibility and long-term stability of Sn doped MnO ₂ nanostructures: Practical photocatalytic systems and wastewater treatment applications. <i>Chemosphere</i> , 2022, 293, 133646.	4.2	48
6	Improved photocatalytic activity for degradation of textile dyeing waste water and thiazine dyes using PbWO ₄ nanoparticles synthesized by co-precipitation method. <i>Environmental Research</i> , 2021, 200, 111721.	3.7	29
7	Functionalization of gold nanoparticles by β -cyclodextrin as a probe for the detection of heavy metals in water and photocatalytic degradation of textile dye. <i>Environmental Research</i> , 2021, 201, 111628.	3.7	28
8	Structure, morphology and modelling studies of polyvinylalcohol nanocomposites reinforced with nickel oxide nanoparticles and graphene quantum dots. <i>Environmental Research</i> , 2022, 203, 111842.	3.7	28
9	Chromeno-carbonitriles as corrosion inhibitors for mild steel in acidic solution: electrochemical, surface and computational studies. <i>RSC Advances</i> , 2021, 11, 2462-2475.	1.7	26
10	Bioavailability and hepatoprotection enhancement of berberine and its nanoparticles prepared by liquid antisolvent method. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 327-332.	1.8	25
11	An eco-friendly low-temperature synthetic approach towards micro-pebble-structured GO@SrTiO ₃ nanocomposites for the detection of 2,4,6-trichlorophenol in environmental samples. <i>Mikrochimica Acta</i> , 2021, 188, 72.	2.5	25
12	Construction and Characterization of Photodiodes prepared with Bi ₂ S ₃ Nanowires. <i>Journal of Alloys and Compounds</i> , 2021, 863, 158681.	2.8	25
13	Multifunctional Eco-Friendly Synthesis of ZnO Nanoparticles in Biomedical Applications. <i>Molecules</i> , 2022, 27, 579.	1.7	24
14	Green sporopollenin supported cyanocalixarene based magnetic adsorbent for pesticides removal from water: Kinetic and equilibrium studies. <i>Environmental Research</i> , 2021, 201, 111588.	3.7	23
15	N-substituted carbazoles as corrosion inhibitors in microbiologically influenced and acidic corrosion of mild steel: Gravimetric, electrochemical, surface and computational studies. <i>Journal of Molecular Structure</i> , 2021, 1223, 129328.	1.8	22
16	Electrochemical Detection of Endosulfan Using an AONP-PANI-SWCNT Modified Glassy Carbon Electrode. <i>Materials</i> , 2021, 14, 723.	1.3	22
17	Synthesis and characterizations of hybrid PEG-Fe ₃ O ₄ nanoparticles for the efficient adsorptive removal of dye and antibacterial, and antibiofilm applications. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 389-400.	1.4	20
18	Synthesis, DNA Binding, and Molecular Docking Studies of Dimethylaminobenzaldehyde-Based Bioactive Schiff Bases. <i>Journal of Chemistry</i> , 2019, 2019, 1-14.	0.9	18

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19	Facile fabrication of bifunctional SnO ₂ –NiO heteromixture for efficient electrocatalytic urea and water oxidation in urea-rich waste water. <i>Environmental Research</i> , 2021, 201, 111589.	3.7	16
20	Evaluating the detection efficacy of advanced bimetallic plasmonic nanoparticles for heavy metals, hazardous materials and pesticides of leachate in contaminated groundwater. <i>Environmental Research</i> , 2021, 201, 111590.	3.7	14
21	Experimental investigation of physicochemical, thermal, mechanical and rheological properties of polylactide/rice straw hydrochar composite. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106011.	3.3	13
22	Electrochemical water splitting exploration of MnCo ₂ O ₄ , NiCo ₂ O ₄ cobaltites. <i>New Journal of Chemistry</i> , 2020, 44, 17679-17692.	1.4	12
23	Green sonochemical synthesis and fabrication of cubic MnFe ₂ O ₄ electrocatalyst decorated carbon nitride nanohybrid for neurotransmitter detection in serum samples. <i>Ultrasonics Sonochemistry</i> , 2021, 70, 105305.	3.8	12
24	Improved Ag doped Bi ₂ S ₃ nanowire-based photodiode: Fabrication and performance. <i>Materials Letters</i> , 2021, 302, 130403.	1.3	12
25	Reduction of multiple antibiotics from the waste water using coated glutathione S-transferase producing biocatalyst. <i>Environmental Research</i> , 2022, 206, 112262.	3.7	12
26	Silane-treated BaTiO ₃ ceramic powders for multilayer ceramic capacitor with enhanced dielectric properties. <i>Chemosphere</i> , 2022, 286, 131734.	4.2	9
27	Exploring and fine tuning the properties of one dimensional Bi ₂ S ₃ nanorods. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163785.	2.8	9
28	Investigation on copper based oxide, sulfide and selenide derivatives oxygen evolution reaction activity. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4299-4306.	1.6	8
29	Studies on physicochemical and antibacterial deeds of amino acid based L-Threoninum sodium bromide. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2987-2992.	1.8	7
30	Facile In-Situ Fabrication of a Ternary ZnO/TiO ₂ /Ag Nanocomposite for Enhanced Bactericidal and Biocompatibility Properties. <i>Antibiotics</i> , 2021, 10, 86.	1.5	7
31	Selective electrochemical detection of antidepressant drug imipramine in blood serum and urine samples using an antimony telluride-graphite nanofiber electrode. <i>Mikrochimica Acta</i> , 2021, 188, 60.	2.5	6
32	Energy Storage Applications of CdMoO ₄ Microspheres. <i>Jom</i> , 2021, 73, 1546-1551.	0.9	6
33	New Construction of Functionalized CuO/Al ₂ O ₃ Nanocomposite-Based Polymeric Sensor for Potentiometric Estimation of Naltrexone Hydrochloride in Commercial Formulations. <i>Polymers</i> , 2021, 13, 4459.	2.0	6
34	Utility of Zinc Oxide Nanoparticles Catalytic Activity in the Electrochemical Determination of Minocycline Hydrochloride. <i>Polymers</i> , 2020, 12, 2505.	2.0	5
35	Exploiting of Green Synthesized Metal Oxide Nanoparticles for Spectrophotometric Determination of Levofloxacin, Cephalexin, and Cefotaxime Sodium in Commercial Products. <i>Nanomaterials</i> , 2021, 11, 1099.	1.9	5
36	Synthesis, characterization, density functional theory, thermal, antimicrobial efficacy, and DNA binding/cleavage studies of Cu(II), Cr(III), Fe(III), Ni(II), Co(II), Zn(II), and Pt(IV) complexes with a derivative of 2-hydroxyphenoxymethylfuran-5-carbaldehyde. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 2100-2117.	0.8	4

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37	Manganese Molybdenum Oxide Micro Rods Adorned Porous Carbon Hybrid Electrocatalyst for Electrochemical Determination of Furazolidone in Environmental Fluids. <i>Catalysts</i> , 2021, 11, 1397.	1.6	4
38	Characterization by Potentiometric Procedures of the Stability Constants of the Binary and Ternary Complexes of Cu(II) and Duloxetine Drug with Amino Acids. <i>Journal of Chemistry</i> , 2019, 2019, 1-13.	0.9	3
39	Facile Synthesis, Characterization, Anti-Microbial and Anti-Oxidant Properties of Alkylamine Functionalized Dumb-Bell Shaped Copper-Silver Nanostructures. <i>Crystals</i> , 2020, 10, 966.	1.0	2
40	Iron doped vanadium sulfide anemone like nanorod structure for electrochemical water oxidation. <i>Current Applied Physics</i> , 2021, 21, 192-198.	1.1	2
41	Identification of Chemical Composition and Metal Determination of <i>Retama raetam</i> (Forssk) Stem Constituents Using ICP-MS, GC-MS-MS, and DART-MS. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-9.	0.7	2
42	Detection of trizole contaminated waste water using biocatalyst and effective biodegradation potential of flubendiamide. <i>Environmental Research</i> , 2022, 206, 112264.	3.7	1
43	Potentiometric, spectral characterization, and antioxidant activity studies of ternary complexes involving Cu(II) and carbamoylcholine chloride drug with amino acids. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 125-134.	0.8	0
44	Electrochemical Oxygen Evolution Reaction Activity of Tin Sulfide Nanostructures. <i>ChemistrySelect</i> , 2020, 5, 11703-11707.	0.7	0
45	Formation Constants of Mixed Ligand Complexes of Anti-Inflammatory Drug Piroxicam and Some Bioligands with Copper(II). <i>Asian Journal of Chemistry</i> , 2019, 31, 2937-2940.	0.1	0