Yasser M A Mohamed

List of Publications by Year
in descending order

35	595	623734	642732
papers	citations	14 h-index	23 g-index

35	35	35	697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure-Directing and High-Efficiency Photocatalytic Hydrogen Production by Ag Clusters. Journal of the American Chemical Society, 2014, 136, 1182-1185.	13.7	64
2	Morin ameliorates the testicular apoptosis, oxidative stress, and impact on bloodâ€“testis barrier induced by photo-extracellularly synthesized silver nanoparticles. Environmental Science and Pollution Research, 2019, 26, 28749-28762.	5.3	54
3	Photostability of gold nanoparticles with different shapes: the role of Ag clusters. Nanoscale, 2015, 7, 11273-11279.	5.6	53
4	Siliconâ€grafted Ag/AgX/rGO nanomaterials (X = Cl or Br) as dipâ€photocatalysts for highly efficient pâ€nitrophenol reduction and paracetamol production. Applied Organometallic Chemistry, 2019, 33, e4757.	3.5	31
5	Photocatalytic oxidation of nitrogen oxides (NOx) using Ag- and Pt-doped TiO2 nanoparticles under visible light irradiation. Environmental Science and Pollution Research, 2020, 27, 35828-35836.	5.3	28
6	A Review of the Use of Semiconductors as Catalysts in the Photocatalytic Inactivation of Microorganisms. Catalysts, 2021, 11, 1498.	3.5	26
7	Ag doped ZnO nanorods catalyzed photo-triggered synthesis of some novel (1H-tetrazol-5-yl)-coumarin hybrids. Journal of Organometallic Chemistry, 2020, 919, 121320.	1.8	24
8	Ag/ZnO/graphene-tert-butyldimethylsilyl chloride hybrid nanocomposite as highly efficient catalyst for hydrogen production. Materials Express, 2016, 6, 211-219.	0.5	22
9	The influence of ultrasonic irradiation on catalytic performance of ZnO nanoparticles toward the synthesis of chiral 1â€substitutedâ€1‹i›H‹/i›â€tetrazolederivatives from ‹i›Î±‹/i›â€amino acid ethyl esters. Applied Organometallic Chemistry, 2020, 34, e5758.	3.5	21
10	Polyunsaturated fatty acid-derived chromones exhibiting potent antioxidant activity. Chemistry and Physics of Lipids, 2013, 170-171, 41-45.	3.2	20
11	Facile production of vitamin B3 and other heterocyclic carboxylic acids using an efficient Ag/ZnO/graphene-Si hybrid nanocatalyst. Research on Chemical Intermediates, 2017, 43, 203-218.	2.7	19
12	The significance of nano-shapes in nanoparticle-enhanced laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2020, 35, 2982-2989.	3.0	19
13	Antifungal activity of photo-biosynthesized silver nanoparticles (AgNPs) from organic constituents in orange peel extract against phytopathogenic Macrophomina phaseolina. European Journal of Plant Pathology, 2022, 162, 725-738.	1.7	17
14	One-step synthesis of photoluminescent catalytic gold nanoclusters using organoselenium compounds. New Journal of Chemistry, 2018, 42, 9606-9611.	2.8	16
15	Photo-extracellular synthesis of gold nanoparticles using Baker's yeast and their anticancer evaluation against Ehrlich ascites carcinoma cells. New Journal of Chemistry, 2016, 40, 9395-9402.	2.8	14
16	Gold nanorod synthesis catalysed by Au clusters. Faraday Discussions, 2016, 191, 205-213.	3.2	14
17	Photobiosynthesis of metal/graphene nanocomposites: new materials for water desalination and purification. Desalination and Water Treatment, 2016, 57, 26014-26021.	1.0	14
18	Low-cost synthesis of titanium dioxide anatase nanoclusters as advanced materials for hydrogen photoproduction. Research on Chemical Intermediates, 2017, 43, 4051-4062.	2.7	14

#	Article	IF	Citations
19	Mitigating effect of single or combined administration of nanoparticles of zinc oxide, chromium oxide, and selenium on genotoxicity and metabolic insult in fructose/streptozotocin diabetic rat model. Environmental Science and Pollution Research, 2021, 28, 48517-48534.	5.3	13
20	Practical synthesis of silyl-protected and functionalized propargylamines using nanostructured Ag/TiO2 and Pt/TiO2 as active recyclable catalysts. Chemical Papers, 2019, 73, 435-445.	2.2	12
21	Highly selective visible-light-triggered CO₂ fixation to cyclic carbonates under mild conditions using TiO₂/multiwall carbon nanotubes (MWCNT) grafted with Pt or Pd nanoparticles. New Journal of Chemistry, 2021, 45, 17301-17312.	2.8	12
22	Synthesis of mycalazol and mycalazal analogs with potent antiproliferating activities. Pure and Applied Chemistry, 2011, 83, 489-493.	1.9	11
23	Photoinduced one-pot synthesis of hydroxamic acids from aldehydes through in-situ generated silver nanoclusters. Research on Chemical Intermediates, 2018, 44, 7173-7186.	2.7	11
24	Innovation of high-performance adsorbent based on modified gelatin for wastewater treatment. Polymer Bulletin, 2022, 79, 11217-11233.	3.3	10
25	Implementation of graphitic carbon nitride nanomaterials and laser irradiation for increasing bioethanol production from potato processing wastes. Environmental Science and Pollution Research, 2022, 29, 34887-34897.	5.3	9
26	Synthesis, antibacterial evaluation, and docking studies of azaisoflavone analogues generated by palladium-catalyzed cross coupling. Monatshefte FÃ¼r Chemie, 2018, 149, 1857-1864.	1.8	8
27	Chalcogenide-based nanomaterials as photocatalysts for water splitting and hydrogen production. , 2021, , 173-183.		8
28	Novel Thymohydroquinone Derivatives as Potential Anticancer Agents: Design, Synthesis, and Biological Screening. Australian Journal of Chemistry, 2016, 69, 1277.	0.9	6
29	An Overview of Recent Development in Visible Light-mediated Organic Synthesis over Heterogeneous Photo-nanocatalysts. Current Organic Synthesis, 2021, 18, 23-36.	1.3	6
30	Nano Ag/AgCl wires-photocatalyzed hydrogen production and transfer hydrogenation of Knoevenagel-type products. New Journal of Chemistry, 0, , .	2.8	5
31	Nanocoating of microbial fuel cell electrodes for enhancing bioelectricity generation from wastewater. Biomass Conversion and Biorefinery, 2024, 14, 847-858.	4.6	5
32	Challenges surrounding nanosheets and their application to solar-driven photocatalytic water treatment. Materials Advances, 2022, 3, 4103-4131.	5.4	5
33	Convenient stereoselective synthesis of some 3-aminosteroid scaffolds. Synthetic Communications, 2019, 49, 1159-1164.	2.1	2
34	Photocatalytic N2 fixation using chalcogenide-based nanomaterials. , 2021, , 285-294.		1
35	Insight on Ameliorative Role of Selenium Nanoparticles and Niacin in Wound Healing on Adult Female Albino Mice. Current Chemical Biology, 2020, 14, 169-186.	0.5	1