

# Mostafa Y Nassar

## List of Publications by Year in descending order

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41  
papers

1,862  
citations

236612

25  
h-index

276539

41  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1901  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel synthetic route for magnesium aluminate (MgAl <sub>2</sub> O <sub>4</sub> ) nanoparticles using sol-gel auto combustion method and their photocatalytic properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 131, 329-334.	2.0	166
2	MgO nanostructure via a sol-gel combustion synthesis method using different fuels: An efficient nano-adsorbent for the removal of some anionic textile dyes. <i>Journal of Molecular Liquids</i> , 2017, 225, 730-740.	2.3	127
3	Cobalt ferrite nanoparticles via a template-free hydrothermal route as an efficient nano-adsorbent for potential textile dye removal. <i>RSC Advances</i> , 2016, 6, 79688-79705.	1.7	113
4	Hydrothermal tuning of the morphology and particle size of hydrozincite nanoparticles using different counterions to produce nanosized ZnO as an efficient adsorbent for textile dye removal. <i>RSC Advances</i> , 2016, 6, 42180-42195.	1.7	90
5	A facile and tunable approach for synthesis of pure silica nanostructures from rice husk for the removal of ciprofloxacin drug from polluted aqueous solutions. <i>Journal of Molecular Liquids</i> , 2019, 282, 251-263.	2.3	90
6	Synthesis, characterization, and biological activity of some novel Schiff bases and their Co(II) and Ni(II) complexes: A new route for Co <sub>3</sub> O <sub>4</sub> and NiO nanoparticles for photocatalytic degradation of methylene blue dye. <i>Journal of Molecular Structure</i> , 2017, 1143, 462-471.	1.8	89
7	Size-controlled synthesis of CoCO <sub>3</sub> and Co <sub>3</sub> O <sub>4</sub> nanoparticles by free-surfactant hydrothermal method. <i>Materials Letters</i> , 2013, 94, 112-115.	1.3	86
8	Hydrothermal tuning of the morphology and crystallite size of zeolite nanostructures for simultaneous adsorption and photocatalytic degradation of methylene blue dye. <i>Journal of Molecular Liquids</i> , 2017, 242, 364-374.	2.3	81
9	A controlled, template-free, and hydrothermal synthesis route to sphere-like Fe <sub>2</sub> O <sub>3</sub> nanostructures for textile dye removal. <i>RSC Advances</i> , 2016, 6, 20001-20013.	1.7	80
10	Tunable auto-combustion preparation of TiO <sub>2</sub> nanostructures as efficient adsorbents for the removal of an anionic textile dye. <i>RSC Advances</i> , 2017, 7, 8034-8050.	1.7	74
11	Chitosan, magnetite, silicon dioxide, and graphene oxide nanocomposites: Synthesis, characterization, efficiency as cisplatin drug delivery, and DFT calculations. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 621-633.	3.6	71
12	Template-free hydrothermal derived cobalt oxide nanopowders: Synthesis, characterization, and removal of organic dyes. <i>Materials Research Bulletin</i> , 2012, 47, 2638-2645.	2.7	62
13	Facile controllable hydrothermal route for a porous CoMn <sub>2</sub> O <sub>4</sub> nanostructure: synthesis, characterization, and textile dye removal from aqueous media. <i>RSC Advances</i> , 2016, 6, 84050-84067.	1.7	61
14	Sphere-like Mn <sub>2</sub> O <sub>3</sub> nanoparticles: Facile hydrothermal synthesis and adsorption properties. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 79-88.	2.7	60
15	A facile synthesis of mordenite zeolite nanostructures for efficient bleaching of crude soybean oil and removal of methylene blue dye from aqueous media. <i>Journal of Molecular Liquids</i> , 2017, 248, 302-313.	2.3	57
16	A facile one-pot hydrothermal synthesis of hematite (Fe <sub>2</sub> O <sub>3</sub> ) nanostructures and cephalixin antibiotic sorptive removal from polluted aqueous media. <i>Journal of Molecular Liquids</i> , 2018, 271, 844-856.	2.3	55
17	Microwave-assisted fabrication of copper nanoparticles utilizing different counter ions: An efficient photocatalyst for photocatalytic degradation of safranin dye from aqueous media. <i>Materials Research Bulletin</i> , 2021, 133, 111048.	2.7	53
18	Synthesis, Characterization and Biological Activity of New 3-substitued-4-amino-5-hydrazino-1,2,4-triazole Schiff Bases and Their Cu(II) Complexes: A New Approach to CuO Nanoparticles for Photocatalytic Degradation of Methylene Blue Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 1220-1233.	1.9	49

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19	A facile Pechini sol-gel synthesis of TiO <sub>2</sub> /Zn <sub>2</sub> TiO <sub>2</sub> /ZnO/C nanocomposite: an efficient catalyst for the photocatalytic degradation of Orange G textile dye. RSC Advances, 2017, 7, 30411-30421.	1.7	48
20	One-pot solvothermal synthesis of novel cobalt salicylaldehyde-urea complexes: A new approach to Co <sub>3</sub> O <sub>4</sub> nanoparticles. Journal of Molecular Structure, 2013, 1050, 81-87.	1.8	41
21	Synthesis and characterization of a ZnMn <sub>2</sub> O <sub>4</sub> nanostructure as a chemical nanosensor: a facile and new approach for colorimetric determination of omeprazole and lansoprazole drugs. RSC Advances, 2017, 7, 43798-43811.	1.7	39
22	A Tunable Template-Assisted Hydrothermal Synthesis of Hydroxysodalite Zeolite Nanoparticles Using Various Aliphatic Organic Acids for the Removal of Zinc(II) Ions from Aqueous Media. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 229-247.	1.9	38
23	Synthesis of two novel dinuclear molybdenum(0) complexes of quinoxaline-2,3-dione: New precursors for preparation of $\mu$ -MoO <sub>3</sub> nanoplates. Inorganica Chimica Acta, 2013, 405, 362-367.	1.2	34
24	Glauconite clay-functionalized chitosan nanocomposites for efficient adsorptive removal of fluoride ions from polluted aqueous solutions. RSC Advances, 2020, 10, 25567-25585.	1.7	32
25	Hydrothermally Synthesized Co <sub>3</sub> O <sub>4</sub> , $\mu$ -Fe <sub>2</sub> O <sub>3</sub> , and CoFe <sub>2</sub> O <sub>4</sub> Nanostructures: Efficient Nano-adsorbents for the Removal of Orange G Textile Dye from Aqueous Media. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1526-1537.	1.9	30
26	Cylindrical-design, dehydration, and sorption properties of easily synthesized magnesium phosphosilicate nanopowder. Particulate Science and Technology, 2019, 37, 207-219.	1.1	20
27	Facile synthesis of mononuclear early transition-metal complexes of $\mu$ - <sup>3</sup> cyclo-tetrametaphosphate ([P <sub>4</sub> O <sub>12</sub> ] <sup>4-</sup> ) and cyclo-trimetaphosphate ([P <sub>3</sub> O <sub>9</sub> ] <sup>3-</sup> ). Dalton Transactions, 2014, 43, 1509-1518.	1.6	16
28	Adsorptive Removal of Manganese Ions from Polluted Aqueous Media by Glauconite Clay-Functionalized Chitosan Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 4050-4064.	1.9	13
29	Preparation, molecular modeling and biodistribution of <sup>99m</sup> Tc-phytochlorin complex. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1759-1766.	0.7	9
30	Facile, controllable, chemical reduction synthesis of copper nanostructures utilizing different capping agents. Inorganic and Nano-Metal Chemistry, 2021, 51, 1418-1430.	0.9	9
31	Cobalt aluminate/carbon nanocomposite via an auto-combustion method: an efficient photocatalyst for photocatalytic degradation of organic dyes from aqueous media. International Journal of Environmental Analytical Chemistry, 2023, 103, 7979-7999.	1.8	9
32	Facile Fabrication of Nano-sized SiO <sub>2</sub> by an Improved Sol-gel Route: As an Adsorbent for Enhanced Removal of Cd(II) and Pb(II) Ions. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1129-1141.	1.9	9
33	Novel isatinoxime molybdenum and chromium complexes: Synthesis, spectroscopic, and thermal characterization. Journal of Molecular Structure, 2012, 1026, 88-92.	1.8	8
34	Design and synthesis of new thiobarbituric acid metal complexes as potent protease inhibitors: spectral characterization, thermal analysis and DFT calculations. Journal of the Iranian Chemical Society, 2018, 15, 269-280.	1.2	8
35	Structure investigation of mesalazine drug using thermal analyses, mass spectrometry, DFT calculations, and NBO analysis. Journal of Thermal Analysis and Calorimetry, 2014, 117, 463-471.	2.0	7
36	Facile auto-combustion synthesis of calcium aluminate nanoparticles for efficient removal of Ni(II) and As(III) ions from wastewater. Environmental Technology (United Kingdom), 2023, 44, 2581-2596.	1.2	7

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37	Synthesis of a $^{188}\text{Re}^{\text{III}}$ -DTPMP complex using carrier-free $^{188}\text{Re}$ and study of its stability. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 779-785.	0.7	6
38	Cloud-Point Extraction for Preconcentration and Platinum Determination Using Spectrophotometry in Environmental Samples. Analytical Chemistry Letters, 2017, 7, 128-141.	0.4	4
39	Efficacy of porous silica nanostructure as an insecticide against filarial vector <i>Culex pipiens</i> (Diptera: Tj ETQq1 1 0.784314 rgBT /Over 0.4	0.4	4
40	Utility of solid-phase extraction coupled with spectrophotometry for a novel green nano determination of copper(II) using 4-((furan-2-ylmethylene) amino)-5-methyl-4H-1,2,4-triazole-3-thiol. International Journal of Environmental Analytical Chemistry, 2023, 103, 1550-1571.	1.8	3
41	Removal of Malachite Green Dye from Aqueous Solutions by an Efficient Nanosized NiO Fabricated by a Facile Sol-Gel Autocombustion. Asian Journal of Chemical Sciences, 0, , 41-51.	0.4	0