

# Maha El-Tohamy

## List of Publications by Year in descending order

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43  
papers

716  
citations

623734

14  
h-index

580821

25  
g-index

44  
all docs

44  
docs citations

44  
times ranked

735  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Fluorescence Detection of Phenolic Compounds in <i>Plicosepalus curviflorus</i> Extract Using Biosynthesized ZnO Nanoparticles and Their Biomedical Potential. <i>Plants</i> , 2022, 11, 361.	3.5	7
2	Multifunctional Eco-Friendly Synthesis of ZnO Nanoparticles in Biomedical Applications. <i>Molecules</i> , 2022, 27, 579.	3.8	24
3	Advanced Functionalized CeO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> Nanocomposite Sensor for Determination of Opioid Medication Tramadol Hydrochloride in Pharmaceutical Formulations. <i>Nanomaterials</i> , 2022, 12, 1373.	4.1	8
4	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.	1.6	2
5	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.	4.1	5
6	Highly Functionalized Modified Metal Oxides Polymeric Sensors for Potentiometric Determination of Letrozole in Commercial Oral Tablets and Biosamples. <i>Polymers</i> , 2021, 13, 1384.	4.5	14
7	Facile multifunctional-mode of fabricated biocompatible human serum albumin/reduced graphene oxide/ <i>Cladophora glomerata</i> nanoparticles for bacteriostatic phototherapy, bacterial tracking and antioxidant potential. <i>Nanotechnology</i> , 2021, 32, 315301.	2.6	4
8	Biogenic synthesis of silver nanoparticles using <i>Trigonella foenum-graecum</i> seed extract: Characterization, photocatalytic and antibacterial activities. <i>Sensors and Actuators A: Physical</i> , 2021, 323, 112670.	4.1	46
9	Signal amplification strategy of label-free ultrasensitive electrochemical immunosensor based ternary Ag/TiO <sub>2</sub> /rGO nanocomposites for detecting breast cancer biomarker CA 15-3. <i>Materials Chemistry and Physics</i> , 2021, 272, 124983.	4.0	24
10	Antibacterial and Anticancer Potentials of Presynthesized Photosensitive <i>Plectranthus cylindraceus</i> Oil/TiO <sub>2</sub> /Polyethylene Glycol Polymeric Bionanocomposite. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-20.	4.1	3
11	New Construction of Functionalized CuO/Al <sub>2</sub> O <sub>3</sub> Nanocomposite-Based Polymeric Sensor for Potentiometric Estimation of Naltrexone Hydrochloride in Commercial Formulations. <i>Polymers</i> , 2021, 13, 4459.	4.5	6
12	Immunomodulatory and Antiprotozoal Potential of Fabricated <i>Sesamum radiatum</i> Oil/Polyvinylpyrrolidone/Au Polymeric Bionanocomposite Film. <i>Polymers</i> , 2021, 13, 4321.	4.5	2
13	Immunomodulatory and Antioxidant Potential of Biogenic Functionalized Polymeric Nutmeg Oil/Polyurethane/ZnO Bionanocomposite. <i>Pharmaceutics</i> , 2021, 13, 2197.	4.5	1
14	Facile Dual Enhanced Modes of Nanoparticles/Sodium Dodecyl Sulfate for Luminescent Detection of Vitamin C in Commercial Fruit Juices. <i>Journal of Analytical Chemistry</i> , 2020, 75, 1285-1294.	0.9	3
15	Biogenic green synthesis of MgO nanoparticles using <i>Saussurea costus</i> biomasses for a comprehensive detection of their antimicrobial, cytotoxicity against MCF-7 breast cancer cells and photocatalysis potentials. <i>PLoS ONE</i> , 2020, 15, e0237567.	2.5	76
16	Antibacterial and Immunomodulatory Potentials of Biosynthesized Ag, Au, Ag-Au Bimetallic Alloy Nanoparticles Using the <i>Asparagus racemosus</i> Root Extract. <i>Nanomaterials</i> , 2020, 10, 2453.	4.1	32
17	Multifunctional green silver nanoparticles in pharmaceutical and biomedical applications. <i>Green Chemistry Letters and Reviews</i> , 2020, 13, 316-327.	4.7	13
18	Utility of Zinc Oxide Nanoparticles Catalytic Activity in the Electrochemical Determination of Minocycline Hydrochloride. <i>Polymers</i> , 2020, 12, 2505.	4.5	5

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19	Prospective of Green Synthesized Oleum cumini Oil/PVP/MgO Bionanocomposite Film for Its Antimicrobial, Antioxidant and Anticancer Applications. <i>Journal of Polymers and the Environment</i> , 2020, 28, 2108-2124.	5.0	14
20	An eco-friendly plant-mediated synthesis of silver nanoparticles: Characterization, pharmaceutical and biomedical applications. <i>Materials Chemistry and Physics</i> , 2020, 249, 123007.	4.0	62
21	New Immunosensing-Fluorescence Detection of Tumor Marker Cytokeratin-19 Fragment (CYFRA 21-1) Via Carbon Quantum Dots/Zinc Oxide Nanocomposite. <i>Nanoscale Research Letters</i> , 2020, 15, 12.	5.7	31
22	New Functionalized Polymeric Sensor Based NiO/MgO Nanocomposite for Potentiometric Determination of Doxorubicin Hydrochloride in Commercial Injections and Human Plasma. <i>Polymers</i> , 2020, 12, 3066.	4.5	15
23	Exploiting the Potential of <i>Moringa oleifera</i> Oil/Polyvinyl Chloride Polymeric Bionanocomposite Film Enriched with Silver Nanoparticles for Antimicrobial Activity. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-11.	2.7	16
24	Exploitation of localized surface plasmon resonance of silver/gold nanoparticles for the fluorescence quantification of angiotensin II receptor antagonists in their tablets and bio-samples. <i>New Journal of Chemistry</i> , 2019, 43, 492-503.	2.8	8
25	Prospects for using a new sequential chemiluminescence strategy for monitoring the caffeine content in soft and energy drinks via the catalytic activities of different nano-metal oxides. <i>Luminescence</i> , 2019, 34, 222-233.	2.9	5
26	Enhanced SIA-chemiluminescence probes for angiotensin II receptor antagonist detection using silver and gold nanoparticles: applications in pharmaceutical formulations. <i>New Journal of Chemistry</i> , 2018, 42, 3383-3393.	2.8	4
27	Sequential injection-chemiluminescence evaluation of stigmasterol glucoside and luteolin via green synthesis of silver nanoparticles using biomass of <i>Plectranthus asirensis</i> . <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 523-533.	4.7	9
28	CA 19-9 Pancreatic Tumor Marker Fluorescence Immunosensing Detection via Immobilized Carbon Quantum Dots Conjugated Gold Nanocomposite. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1162.	4.1	112
29	New label-free ultrasensitive electrochemical immunosensor-based Au/MoS <sub>2</sub> /rGO nanocomposites for CA 27-29 breast cancer antigen detection. <i>New Journal of Chemistry</i> , 2018, 42, 11046-11053.	2.8	23
30	Gold nanoparticle-enhanced luminol/ferricyanide chemiluminescence system for aristolochic acid-I detection in medicinal plants and slimming products. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 138-147.	4.7	16
31	A label-free electrochemical immunosensor based on gold nanoparticles and graphene oxide for the detection of tumor marker calcitonin. <i>New Journal of Chemistry</i> , 2017, 41, 11029-11035.	2.8	14
32	Changes in the concentration of avenanthramides in response to salinity stress in CBF transgenic oat. <i>Journal of Cereal Science</i> , 2017, 76, 263-270.	3.7	8
33	New Electrochemically-Modified Carbon Paste Inclusion $\beta$ -Cyclodextrin and Carbon Nanotubes Sensors for Quantification of Dorzolamide Hydrochloride. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2027.	4.1	9
34	Eco-friendly synthesis of gelatin-capped bimetallic Au-Ag nanoparticles for chemiluminescence detection of anticancer raloxifene hydrochloride. <i>Luminescence</i> , 2016, 31, 1194-1200.	2.9	15
35	Utility of gold nanoparticles in luminescence determination of trovafloxacin: comparison of chemiluminescence and fluorescence detection. <i>Luminescence</i> , 2015, 30, 1403-1408.	2.9	5
36	A high throughput gold nanoparticles chemiluminescence detection of opioid receptor antagonist naloxone hydrochloride. <i>Chemistry Central Journal</i> , 2015, 9, 6.	2.6	7

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37	Applications of micelle enhancement in luminescence-based analysis. <i>Luminescence</i> , 2015, 30, 3-11.	2.9	12
38	Application of silver nanoparticles to the chemiluminescence determination of cefditoren pivoxil using the luminol-ferrocyanide system. <i>Luminescence</i> , 2015, 30, 91-97.	2.9	11
39	Construction and Validation of New Electrochemical Carbon Nanotubes Sensors for Determination of Acebutolol Hydrochloride in Pharmaceuticals and Biological Fluids. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 910-920.	1.4	6
40	Determination of the antiviral drug Ribavirin in dosage forms via micelle-enhanced spectrofluorimetric method. <i>Luminescence</i> , 2013, 28, 190-194.	2.9	22
41	Automated Sequential Injection Chemiluminescence Determination of Glucosamine Sulphate via Luminol-Hydrogen Peroxide System. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1246-1252.	1.4	2
42	Disposable screen-printed sensors for determination of duloxetine hydrochloride. <i>Chemistry Central Journal</i> , 2012, 6, 6.	2.6	7
43	New Validated Potentiometric Determination of Vasodilator Pentoxifylline in its Pharmaceutical Formulations and Biological Fluids. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 637-644.	1.4	5