Maha El-Tohamy

List of Publications by Year
in descending order

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43	716	623734	580821
papers	citations	14 h-index	25 g-index

44	44	44	735
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CA 19-9 Pancreatic Tumor Marker Fluorescence Immunosensing Detection via Immobilized Carbon Quantum Dots Conjugated Gold Nanocomposite. International Journal of Molecular Sciences, 2018, 19, 1162.	4.1	112
2	Biogenic green synthesis of MgO nanoparticles using Saussurea costus biomasses for a comprehensive detection of their antimicrobial, cytotoxicity against MCF-7 breast cancer cells and photocatalysis potentials. PLoS ONE, 2020, 15, e0237567.	2.5	76
3	An eco-friendly plant-mediated synthesis of silver nanoparticles: Characterization, pharmaceutical and biomedical applications. Materials Chemistry and Physics, 2020, 249, 123007.	4.0	62
4	Biogenic synthesis of silver nanoparticles using Trigonella foenum-graecum seed extract: Characterization, photocatalytic and antibacterial activities. Sensors and Actuators A: Physical, 2021, 323, 112670.	4.1	46
5	Antibacterial and Immunomodulatory Potentials of Biosynthesized Ag, Au, Ag-Au Bimetallic Alloy Nanoparticles Using the Asparagus racemosus Root Extract. Nanomaterials, 2020, 10, 2453.	4.1	32
6	New Immunosensing-Fluorescence Detection of Tumor Marker Cytokeratin-19 Fragment (CYFRA 21-1) Via Carbon Quantum Dots/Zinc Oxide Nanocomposite. Nanoscale Research Letters, 2020, 15, 12.	5.7	31
7	Signal amplification strategy of label-free ultrasenstive electrochemical immunosensor based ternary Ag/TiO2/rGO nanocomposites for detecting breast cancer biomarker CA 15-3. Materials Chemistry and Physics, 2021, 272, 124983.	4.0	24
8	Multifunctional Eco-Friendly Synthesis of ZnO Nanoparticles in Biomedical Applications. Molecules, 2022, 27, 579.	3.8	24
9	New label-free ultrasensitive electrochemical immunosensor-based Au/MoS₂/rGO nanocomposites for CA 27-29 breast cancer antigen detection. New Journal of Chemistry, 2018, 42, 11046-11053.	2.8	23
10	Determination of the antiâ€viral drug Ribavirin in dosage forms via micelleâ€enhanced spectrofluorimetric method. Luminescence, 2013, 28, 190-194.	2.9	22
11	Gold nanoparticle-enhanced luminol/ferricyanide chemiluminescence system for aristolochic acid-I detection in medicinal plants and slimming products. Green Chemistry Letters and Reviews, 2017, 10, 138-147.	4.7	16
12	Exploiting the Potential ofMoringa oleiferaOil/Polyvinyl Chloride Polymeric Bionanocomposite Film Enriched with Silver Nanoparticles for Antimicrobial Activity. International Journal of Polymer Science, 2019, 2019, 1-11.	2.7	16
13	Ecoâ€friendly synthesis of gelatinâ€capped bimetallic Auâ€“Ag nanoparticles for chemiluminescence detection of anticancer raloxifene hydrochloride. Luminescence, 2016, 31, 1194-1200.	2.9	15
14	New Functionalized Polymeric Sensor Based NiO/MgO Nanocomposite for Potentiometric Determination of Doxorubicin Hydrochloride in Commercial Injections and Human Plasma. Polymers, 2020, 12, 3066.	4.5	15
15	A label-free electrochemical immunosensor based on gold nanoparticles and graphene oxide for the detection of tumor marker calcitonin. New Journal of Chemistry, 2017, 41, 11029-11035.	2.8	14
16	Prospective of Green Synthesized Oleum cumini Oil/PVP/MgO Bionanocomposite Film for Its Antimicrobial, Antioxidant and Anticancer Applications. Journal of Polymers and the Environment, 2020, 28, 2108-2124.	5.0	14
17	Highly Functionalized Modified Metal Oxides Polymeric Sensors for Potentiometric Determination of Letrozole in Commercial Oral Tablets and Biosamples. Polymers, 2021, 13, 1384.	4.5	14
18	Multifunctional green silver nanoparticles in pharmaceutical and biomedical applications. Green Chemistry Letters and Reviews, 2020, 13, 316-327.	4.7	13

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19	Applications of micelle enhancement in luminescenceâ€based analysis. Luminescence, 2015, 30, 3-11.	2.9	12
20	Application of silver nanoparticles to the chemiluminescence determination of cefditoren pivoxil using the luminolâ€“ferricyanide system. Luminescence, 2015, 30, 91-97.	2.9	11
21	New Electrochemically-Modified Carbon Paste Inclusion Î²-Cyclodextrin and Carbon Nanotubes Sensors for Quantification of Dorzolamide Hydrochloride. International Journal of Molecular Sciences, 2016, 17, 2027.	4.1	9
22	Sequential injection-chemiluminescence evaluation of stigmasterol glucoside and luteolin via green synthesis of silver nanoparticles using biomass of plectranthus asirensis. Green Chemistry Letters and Reviews, 2018, 11, 523-533.	4.7	9
23	Changes in the concentration of avenanthramides in response to salinity stress in CBF transgenic oat. Journal of Cereal Science, 2017, 76, 263-270.	3.7	8
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. New Journal of Chemistry, 2019, 43, 492-503.	2.8	8
25	Advanced Functionalized CeO2/Al2O3 Nanocomposite Sensor for Determination of Opioid Medication Tramadol Hydrochloride in Pharmaceutical Formulations. Nanomaterials, 2022, 12, 1373.	4.1	8
26	Disposable screen-printed sensors for determination of duloxetine hydrochloride. Chemistry Central Journal, 2012, 6, 6.	2.6	7
27	A high throughput gold nanoparticles chemiluminescence detection of opioid receptor antagonist naloxone hydrochloride. Chemistry Central Journal, 2015, 9, 6.	2.6	7
28	The Fluorescence Detection of Phenolic Compounds in Plicosepalus curviflorus Extract Using Biosynthesized ZnO Nanoparticles and Their Biomedical Potential. Plants, 2022, 11, 361.	3.5	7
29	Construction and Validation of New Electrochemical Carbon Nanotubes Sensors for Determination of Acebutolol Hydrochloride in Pharmaceuticals and Biological Fluids. Journal of the Chinese Chemical Society, 2014, 61, 910-920.	1.4	6
30	New Construction of Functionalized CuO/Al2O3 Nanocomposite-Based Polymeric Sensor for Potentiometric Estimation of Naltrexone Hydrochloride in Commercial Formulations. Polymers, 2021, 13, 4459.	4.5	6
31	New Validated Potentiometric Determination of Vasodilator Pentoxifylline in its Pharmaceutical Formulations and Biological Fluids. Journal of the Chinese Chemical Society, 2011, 58, 637-644.	1.4	5
32	Utility of gold nanoparticles in luminescence determination of trovafloxacin: comparison of chemiluminescence and fluorescence detection. Luminescence, 2015, 30, 1403-1408.	2.9	5
33	Prospects for using a new sequential chemiluminescence strategy for monitoring the caffeine content in soft and energy drinks via the catalytic activities of different nanoâ€metal oxides. Luminescence, 2019, 34, 222-233.	2.9	5
34	Utility of Zinc Oxide Nanoparticles Catalytic Activity in the Electrochemical Determination of Minocycline Hydrochloride. Polymers, 2020, 12, 2505.	4.5	5
35	Exploiting of Green Synthesized Metal Oxide Nanoparticles for Spectrophotometric Determination of Levofloxacin, Cephalexin, and Cefotaxime Sodium in Commercial Products. Nanomaterials, 2021, 11, 1099.	4.1	5
36	Enhanced SIA-chemiluminescence probes for angiotensin II receptor antagonist detection using silver and gold nanoparticles: applications in pharmaceutical formulations. New Journal of Chemistry, 2018, 42, 3383-3393.	2.8	4

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37	Facile multifunctional-mode of fabricated biocompatible human serum albumin/reduced graphene oxide/Cladophora glomerata nanoparticles for bacteriostatic phototherapy, bacterial tracking and antioxidant potential. Nanotechnology, 2021, 32, 315301.	2.6	4
38	Facile Dual Enhanced Modes of Nanoparticles/Sodium Dodecyl Sulfate for Luminescent Detection of Vitamin C in Commercial Fruit Juices. Journal of Analytical Chemistry, 2020, 75, 1285-1294.	0.9	3
39	Antibacterial and Anticancer Potentials of Presynthesized Photosensitive Plectranthus cylindraceus Oil/TiO2/Polyethylene Glycol Polymeric Bionanocomposite. Bioinorganic Chemistry and Applications, 2021, 2021, 1-20.	4.1	3
40	Automated Sequentialâ€injection Chemiluminescence Determination of Glucosamine Sulphate via Luminolâ€Hydrogen Peroxide System. Journal of the Chinese Chemical Society, 2013, 60, 1246-1252.	1.4	2
41	Identification of Chemical Composition and Metal Determination of Retama raetam (Forssk) Stem Constituents Using ICP-MS, GC-MS-MS, and DART-MS. Journal of Analytical Methods in Chemistry, 2021, 2021, 1-9.	1.6	2
42	Immunomodulatory and Antiprotozoal Potential of Fabricated Sesamum radiatum Oil/Polyvinylpyrrolidone/Au Polymeric Bionanocomposite Film. Polymers, 2021, 13, 4321.	4.5	2
43	Immunomodulatory and Antioxidant Potential of Biogenic Functionalized Polymeric Nutmeg Oil/Polyurethane/ZnO Bionanocomposite. Pharmaceutics, 2021, 13, 2197.	4.5	1