

Mahmoud H El-Maghrabey

List of Publications by Year in descending order

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43
all docs

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docs citations

43
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Micellar Liquid Chromatography from Green Analysis Perspective. Open Chemistry, 2015, 13, .	1.9	80
2	Chromatographic methods and sample pretreatment techniques for aldehydes determination in biological, food, and environmental samples. Journal of Pharmaceutical and Biomedical Analysis, 2019, 175, 112782.	2.8	38
3	Synchronous fluorescence spectrofluorimetric method for the simultaneous determination of metoprolol and felodipine in combined pharmaceutical preparation. Chemistry Central Journal, 2011, 5, 70.	2.6	36
4	Analytical method for lipoperoxidation relevant reactive aldehydes in human sera by high-performance liquid chromatography–fluorescence detection. Analytical Biochemistry, 2014, 464, 36-42.	2.4	34
5	Simple and sensitive spectrofluorimetric method for the determination of pregabalin in capsules through derivatization with fluorescamine. Luminescence, 2011, 26, 342-348.	2.9	30
6	Current trends in isotope–coded derivatization liquid chromatographic–mass spectrometric analyses with special emphasis on their biomedical application. Biomedical Chromatography, 2020, 34, e4756.	1.7	26
7	Determination of human serum semicarbazide-sensitive amine oxidase activity via flow injection analysis with fluorescence detection after online derivatization of the enzymatically produced benzaldehyde with 1,2-diaminoanthraquinone. Analytica Chimica Acta, 2015, 881, 139-147.	5.4	23
8	Spectrofluorimetric determination of oseltamivir phosphate through derivatization with <i>o</i> -phthalaldehyde. Application to pharmaceutical preparations with a preliminary study on spiked plasma samples. Luminescence, 2012, 27, 511-518.	2.9	22
9	Novel Isotope-Coded Derivatization Method for Aldehydes Using ¹⁴ N/ ¹⁵ N-Ammonium Acetate and 9,10-Phenanthrenequinone. Analytical Chemistry, 2018, 90, 13867-13875.	6.5	21
10	Aromatic aldehydes as selective fluorogenic derivatizing agents for α -dicarbonyl compounds. Application to HPLC analysis of some advanced glycation end products and oxidative stress biomarkers in human serum. Journal of Pharmaceutical and Biomedical Analysis, 2018, 158, 38-46.	2.8	21
11	9,10-Phenanthrenequinone as a mass-tagging reagent for ultra-sensitive liquid chromatography–tandem mass spectrometry assay of aliphatic aldehydes in human serum. Journal of Chromatography A, 2016, 1462, 80-89.	3.7	20
12	A novel dual labeling approach enables converting fluorescence labeling reagents into fluorogenic ones via introduction of purification tags. Application to determination of glyoxylic acid in serum. Talanta, 2018, 180, 323-328.	5.5	19
13	A turn-on hydrazide oxidative decomposition-based fluorescence probe for highly selective detection of Cu ²⁺ in tap water as well as cell imaging. Analytica Chimica Acta, 2022, 1217, 340024.	5.4	19
14	Ultrasensitive determination of pyrroloquinoline quinone in human plasma by HPLC with chemiluminescence detection using the redox cycle of quinone. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 814-820.	2.8	18
15	Detection of hydrogen sulfide in water samples with 2-(4-hydroxyphenyl)-4,5-di(2-pyridyl)imidazole-copper(II) complex using environmentally green microplate fluorescence assay method. Analytica Chimica Acta, 2019, 1057, 123-131.	5.4	18
16	Design of a dual functionalized chemiluminescence ultrasensitive probe for quinones based on their redox cycle. Application to the determination of doxorubicin in lyophilized powder and human serum. Sensors and Actuators B: Chemical, 2021, 329, 129226.	7.8	18
17	Utility of certain nucleophilic aromatic substitution reactions for the assay of pregabalin in capsules. Chemistry Central Journal, 2011, 5, 36.	2.6	17
18	Quinone-based antibody labeling reagent for enzyme-free chemiluminescent immunoassays. Application to avidin and biotinylated anti-rabbit IgG labeling. Biosensors and Bioelectronics, 2020, 160, 112215.	10.1	17

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19	High-temperature liquid chromatography for evaluation of the efficiency of multiwalled carbon nanotubes as nano extraction beds for removal of acidic drugs from wastewater. Greenness profiling and comprehensive kinetics and thermodynamics studies. <i>Journal of Chromatography A</i> , 2021, 1639, 461891.	3.7	15
20	Green Sensors for Environmental Contaminants. <i>Nanotechnology in the Life Sciences</i> , 2020, , 491-516.	0.6	14
21	Solid phase-fabrication of magnetically separable Fe ₃ O ₄ @graphene nanoplatelets nanocomposite for efficient removal of NSAIDs from wastewater. Perception of adsorption kinetics, thermodynamics, and extra-thermodynamics. <i>Analytica Chimica Acta</i> , 2022, 1223, 340158.	5.4	14
22	A sensitive chemiluminescence detection approach for determination of 2,4-dinitrophenylhydrazine derivatized aldehydes using online UV irradiation & luminol CL reaction. Application to the HPLC analysis of aldehydes in oil samples. <i>Talanta</i> , 2021, 233, 122522.	5.5	13
23	A Smart Advanced Chemiluminescence-Sensing Platform for Determination and Imaging of the Tissue Distribution of Natural Antioxidants. <i>Analytical Chemistry</i> , 2020, 92, 6984-6992.	6.5	12
24	Nanostructures-based sensing strategies for hydrogen sulfide. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 31, e00133.	10.3	11
25	Estimation of nizatidine gastric nitrosatability and product toxicity via an integrated approach combining HILIC, in silico toxicology, and molecular docking. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 915-925.	1.9	9
26	Correction pen as a hydrophobic/lipophobic barrier plotter integrated with paper-based chips and a mini UV-torch to implement all-in-one device for determination of carbazochrome. <i>Analytica Chimica Acta</i> , 2021, 1172, 338684.	5.4	9
27	Aldehydes™ Sources, Toxicity, Environmental Analysis, and Control in Food. <i>Emerging Contaminants and Associated Treatment Technologies</i> , 2022, , 117-151.	0.7	9
28	Dual-excitation in-lab-made device based on a handy UV lamp and QGDs-modified PADs for simultaneous determination of acetaminophen and its endocrine disrupting impurity 4-nitrophenol. <i>Sensors and Actuators B: Chemical</i> , 2021, 348, 130657.	7.8	8
29	Integrative physicochemical and HPLC assessment studies for the inclusion of lornoxicam in buffalo's milk fat globules as a potential carrier delivery system for lipophilic drugs. <i>Microchemical Journal</i> , 2020, 152, 104321.	4.5	6
30	SIMULTANEOUS DETERMINATION OF METOCLOPRAMIDE HYDROCHLORIDE AND PYRIDOXINE HYDROCHLORIDE IN SYRUP USING HPLC METHOD WITH FLUORESCENCE DETECTION: APPLICATION TO HUMAN PLASMA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 439-453.	1.0	4
31	Determination of Tanshinones in Danshen (<i>Salvia miltiorrhiza</i>) by High-Performance Liquid Chromatography with Fluorescence Detection after pre-Column Derivatisation. <i>Phytochemical Analysis</i> , 2018, 29, 112-117.	2.4	4
32	Screening and greenness profiling of oxidative-coupling and electrophilic aromatic substitution reactions for determination of three phenolic drugs. <i>Microchemical Journal</i> , 2019, 149, 104051.	4.5	4
33	Development of quinone linked immunosorbent assay (QuLISA) based on using Folin™s reagent as a non-enzymatic tag: Application to analysis of food allergens. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132167.	7.8	4
34	Extra-thermodynamic study of the retention of anti-inflammatory 2-arylpropionic acid derivatives on a heat-resistive stationary phase: Application of HTLC approach for pharmaceutical and biological analysis. <i>Microchemical Journal</i> , 2021, 169, 106597.	4.5	3
35	A Flavin Derivative-Based Fluorometric Analysis for the Diabetes Mellitus Inducer, Alloxan, for Its Follow-up in Flour and Flour-Derived Food. <i>Food Analytical Methods</i> , 2021, 14, 473-484.	2.6	2
36	Determination Method for Pyrroloquinoline Quinone in Food Products by HPLC-UV Detection Using a Redox-Based Colorimetric Reaction. <i>Chemical and Pharmaceutical Bulletin</i> , 2022, 70, 32-36.	1.3	2

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37	Development of a selective fluorescence derivatization strategy for thyroid hormones based on the Sonogashira coupling reaction. Journal of Chromatography A, 2022, 1677, 463275.	3.7	2
38	Liquid chromatography-mass spectrometry techniques for environmental analysis. , 2021, , 117-141.		0
39	Switchable solvents for biocatalysis. , 2021, , 211-233.		0
40	Biosolvents for biocatalysis. , 2021, , 85-107.		0
41	Green solvents for radionuclides extraction. , 2021, , 121-147.		0
42	Green Chromatographic Purification of Pharmaceuticals. Materials Research Foundations, 2019, , 148-181.	0.3	0