Rania El-Shaheny

List of Publications by Year
in descending order

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Version: 2024-02-01

44 papers	492 citations	758635 12 h-index	752256 20 g-index
45 all docs	45 docs citations	45 times ranked	486 citing authors

#	Article	IF	Citations
1	Micellar Liquid Chromatography from Green Analysis Perspective. Open Chemistry, 2015, 13, .	1.0	80
2	Graphene quantum dots as a nanoprobe for analysis of o- and p-nitrophenols in environmental water adopting conventional fluorometry and smartphone image processing-assisted paper-based analytical device. In-depth study of sensing mechanisms. Microchemical Journal, 2020, 158, 105241.	2.3	40
3	Stabilityâ€indicating micelleâ€enhanced spectrofluorimetric method for determination of loratadine and desloratadine in dosage forms. Luminescence, 2011, 26, 670-679.	1.5	26
4	Validated spectrophotometric methods for determination of Alendronate sodium in tablets through nucleophilic aromatic substitution reactions. Chemistry Central Journal, 2012, 6, 25.	2.6	23
5	A green HPLC method for the analysis and stability study of flavoxate HCl using micellar eluent. Analytical Methods, 2014, 6, 1001-1010.	1.3	19
6	Fast separation and quantification of three anti-glaucoma drugs by high-performance liquid chromatography UV detection. Journal of Food and Drug Analysis, 2016, 24, 441-449.	0.9	17
7	Simultaneous determination of zopiclone and its degradation product and main impurity (2-amino-5-chloropyridine) by micellar liquid chromatography with time-programmed fluorescence detection: Preliminary investigation for biological monitoring. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 907, 49-55.	1.2	16
8	Evaluation of agomelatine stability under different stress conditions using an HPLC method with fluorescence detection: application to the analysis of tablets and human plasma. Luminescence, 2014, 29, 920-928.	1.5	16
9	Stability Study of the Antihistamine Drug Azelastine HCl along with a Kinetic Investigation and the Identification of New Degradation Products. Analytical Sciences, 2014, 30, 691-697.	0.8	15
10	Development and Validation of a New HPLC Method for the Simultaneous Determination of Paracetamol, Ascorbic Acid, and Pseudoephedrine HCl in their Co-formulated Tablets. Application to in vitro Dissolution Testing. Analytical Sciences, 2015, 31, 943-947.	0.8	15
11	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. Journal of Chromatography A, 2021, 1639, 461891.	1.8	15
12	Green Sensors for Environmental Contaminants. Nanotechnology in the Life Sciences, 2020, , 491-516.	0.4	14
13	Development and Validation of a Micellar High-Performance Liquid Chromatographic Method for Determination of Risedronate in Raw Material and in a Pharmaceutical Formulation: Application to Stability Studies. Journal of AOAC INTERNATIONAL, 2010, 93, 1228-1235.	0.7	13
14	Stability-Indicating Spectrofluorimetric Method for the Assay of Ziprasidone in Capsules. Journal of Fluorescence, 2011, 21, 1659-1667.	1.3	13
15	Simultaneous determination of four vasoactive phytochemicals in different pharmaceutical preparations by a simple HPLC-DAD method. Analytical Methods, 2016, 8, 1858-1866.	1.3	11
16	Nanostructures-based sensing strategies for hydrogen sulfide. Trends in Environmental Analytical Chemistry, 2021, 31, e00133.	5.3	11
17	Stability-Indicating Micellar LC Methods with Time-Programmed UV Detection for Determination of Three Oxicams in Pharmaceuticals with Direct Injection of Gel and Suppositories. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 163-171.	0.5	10
18	Green micellar HPLC analysis of three angiotensinâ€converting enzyme inhibitors in their mixtures with hydrochlorothiazide and modeling of their retention behavior by fitting to Foley's model. Journal of Separation Science, 2017, 40, 3646-3654.	1.3	10

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19	Stability-Indicating HPLC Method for Determination of Naftazone in Tablets. Application to Degradation Kinetics and Content Uniformity Testing. Journal of Chromatographic Science, 2011, 49, 495-501.	0.7	9
20	Simultaneous determination of desloratadine and montelukast sodium using secondâ€derivative synchronous fluorescence spectrometry enhanced by an organized medium with applications to tablets and human plasma. Luminescence, 2015, 30, 485-494.	1.5	9
21	Estimation of nizatidine gastric nitrosatability and product toxicity via an integrated approach combining HILIC, in silico toxicology, and molecular docking. Journal of Food and Drug Analysis, 2019, 27, 915-925.	0.9	9
22	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. Analytica Chimica Acta, 2021, 1172, 338684.	2.6	9
23	Validated spectrofluorimetric and spectrophotometric methods for the determination of brimonidine tartrate in ophthalmic solutions via derivatization with NBDâ€Cl. Application to stability study. Luminescence, 2015, 30, 309-317.	1.5	8
24	Study of micelle and metal complexation-mediated fluorescence enhancements of raloxifene hydrochloride. Application to pharmaceutical analysis. Journal of Molecular Liquids, 2018, 252, 408-415.	2.3	8
25	Complementary HPLC, in silico toxicity, and molecular docking studies for investigation of the potential influences of gastric acidity and nitrite content on paracetamol safety. Microchemical Journal, 2019, 150, 104107.	2.3	8
26	Dual-excitation in-lab-made device based on a handy UV lamp and GQDs-modified PADs for simultaneous determination of acetaminophen and its endocrine disrupting impurity 4-nitrophenol. Sensors and Actuators B: Chemical, 2021, 348, 130657.	4.0	8
27	Spectrophotometric Determination of Risedronate and Etidronate in Pharmaceutical Formulations via the Molybdovanadate Method. Analytical Letters, 2009, 42, 1571-1587.	1.0	7
28	Simultaneous Determination of Floctafenine and its Hydrolytic Degradation Product Floctafenic Acid Using Micellar Liquid Chromatography with Applications to Tablets and Human Plasma. Journal of AOAC INTERNATIONAL, 2013, 96, 1315-1324.	0.7	6
29	Green conventional and first-order derivative fluorimetry methods for determination of trimebutine and its degradation product (eudesmic acid). Emphasis on the solvent and pH effects on their emission spectral properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117603.	2.0	6
30	Pentabromobenzyl-RP versus triazole-HILIC columns for separation of the polar basic analytes famotidine and famotidone: LC method development combined with in silico tools to follow the potential consequences of famotidine gastric instability. Journal of Pharmaceutical and Biomedical Analysis, 2020, 186, 113305.	1.4	6
31	The influence of pH and temperature on the stability of flutamide. An HPLC investigation and identification of the degradation product by EI⁺-MS. RSC Advances, 2015, 5, 3206-3214.	1.7	5
32	Spectroscopic studies on naftazone and its metal complexes with analytical applications for quality control of tablets. Analytical Methods, 2015, 7, 5954-5961.	1.3	5
33	Analysis of ofloxacin and flavoxate HCl either individually or in combination via a green chromatographic approach with a pharmacokinetic study of ofloxacin in biological samples. Analytical Methods, 2015, 7, 4629-4639.	1.3	5
34	Utility of a green fluorone-based turn-off fluorescence probe for submicromolar determination and stability testing of two macrolides. Insights into reaction thermodynamics, quenching mechanism, and identification of the oxidative degradation products by ESI+-MS. Microchemical Journal, 2019, 147, 1192-1202.	2.3	5
35	Validated Stability-Indicating Spectrofluorimetric Method with Enhanced Sensitivity for Determination of Repaglinide in Tablets. Journal of Fluorescence, 2012, 22, 1587-1594.	1.3	4
36	Screening and greenness profiling of oxidative-coupling and electrophilic aromatic substitution reactions for determination of three phenolic drugs. Microchemical Journal, 2019, 149, 104051.	2.3	4

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37	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. Microchemical Journal, 2021, 169, 106597.	2.3	3
38	STABILITY-INDICATING HPLC METHOD WITH FLUORESCENCE DETECTION FOR DETERMINATION OF METHOCARBAMOL IN TABLETS. APPLICATION TO THERAPEUTIC DRUG MONITORING. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 2021-2041.	0.5	2
39	Simultaneous HPLC Determination of Chlordiazepoxide and Mebeverine HCl in the Presence of Their Degradation Products and Impurities. Journal of Chemistry, 2015, 2015, 1-9.	0.9	2
40	Investigation of ethosuximide stability under certain ICH-recommended stress conditions using a validated stability-indicating HPLC method. Analytical Methods, 2018, 10, 1452-1458.	1.3	0
41	Liquid chromatography-mass spectrometry techniques for environmental analysis. , 2021, , 117-141.		0
42	Switchable solvents for biocatalysis. , 2021, , 211-233.		0
43	Biosolvents for biocatalysis. , 2021, , 85-107.		0
44	Green solvents for radionuclides extraction. , 2021, , 121-147.		0