

Maha Mohamed Abdelrahman

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

928
citations

567247

15
h-index

552766

26
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83
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83
docs citations

83
times ranked

671
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of Sulphasalazine and Its Related Compounds by Simple, Smart, Validated, Green Spectrophotometric Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2022, 105, 352-361.	1.5	3
2	Nanoparticle-enhanced in-line potentiometric ion sensor for point-of-care diagnostics for tropicamide abuse in biological fluid. <i>Analytica Chimica Acta</i> , 2022, 1192, 339350.	5.4	7
3	Spectrofluorimetric Approach for Quantification of Cyclizine in the Presence of its Toxic Impurities in Human Plasma; in silico Study and ADMET Calculations. <i>Journal of Fluorescence</i> , 2022, 32, 993-1003.	2.5	2
4	Quality by design approach for green HPLC method development for simultaneous analysis of two thalassemia drugs in biological fluid with pharmacokinetic study. <i>RSC Advances</i> , 2022, 12, 13896-13916.	3.6	15
5	Green Analytical Chemistry Metrics and Life-Cycle Assessment Approach to Analytical Method Development. , 2022, , 29-99.		4
6	Development and Validation of Stability Indicating High-Performance Liquid Chromatographic Method for Determination of Cyproheptadine Hydrochloride, its Impurity And Degradation Product. <i>Journal of Chromatographic Science</i> , 2021, 59, 128-133.	1.4	7
7	Evaluation of vinburnine in pharmaceuticals by smart spectrophotometric methods; full stability study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119209.	3.9	1
8	Ecofriendly Validated Chromatographic Methods for Quantitation of Cyclizine and Its Toxic Impurities in Its Parenteral Formulation. <i>Chromatographia</i> , 2021, 84, 155-165.	1.3	2
9	Validated spectrofluorometric determination of hypoglycemic combination, in pure form and pharmaceutical formulation using 9,10-phenanthraquinone reagent. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119078.	3.9	1
10	Appraisal of the greenness profile of a chromatographic method for the simultaneous estimation of carbamazepine and oxcarbazepine, along with two potential impurities and three formulation excipients. <i>RSC Advances</i> , 2021, 11, 7790-7800.	3.6	7
11	Development and Validation of Two Novel Chromatographic Methods: HPTLC and HPLC for Determination of Bromhexine Hydrochloride in Presence of Its Two Impurities. <i>Journal of Chromatographic Science</i> , 2021, 59, 425-431.	1.4	3
12	Development and validation of a stability indicating RP-HPLC-DAD method for the determination of bromazepam. <i>PLoS ONE</i> , 2021, 16, e0244951.	2.5	7
13	Simultaneous analysis of several antihypertensive drugs in different combinations: Application for determination of drug degradation products and process impurities. <i>Microchemical Journal</i> , 2021, 166, 106203.	4.5	3
14	Lipophilicity study of different cephalosporins: Computational prediction of minimum inhibitory concentration using salting-out chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114358.	2.8	7
15	Green chromatographic methods for simultaneous determination of quetiapine and the co-administrated paroxetine in rat plasma with application to pharmacokinetic study. <i>Microchemical Journal</i> , 2020, 152, 104317.	4.5	4
16	Development and validation of stability indicating chromatographic methods for simultaneous determination of citicoline and piracetam. <i>Journal of Separation Science</i> , 2020, 43, 2981-2988.	2.5	3
17	Stability indicating spectrophotometric methods for quantitative determination of bromazepam and its degradation product. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118433.	3.9	8
18	Ecofriendly chromatographic methods for determination of co-prescribed drugs, olanzapine and metformin, in rat plasma. <i>Bioanalysis</i> , 2020, 12, 597-613.	1.5	2

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19	Innovative spectrofluorometric protocol based on micro-environment improvement for determination of Quetiapine in dosage forms and rat plasma. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118196.	3.9	1
20	Novel eco-friendly chromatographic determinations of hydrocortisone acetate, fusidic acid, their pharmacologically active impurities and pharmaceutical excipients: a comparative study. <i>Chemical Papers</i> , 2020, 74, 2175-2187.	2.2	7
21	Chromatographic determination of sulfasalazine and its active metabolites: greenness assessment and application to spiked human plasma. <i>Biomedical Chromatography</i> , 2020, 34, e4804.	1.7	7
22	The convenient use of fluorecamine for spectrofluorimetric quantitation of pramipexole in pure form and pharmaceutical formulation; application to content uniformity testing. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 238, 118414.	3.9	2
23	Spectrofluorimetric approach for determination of citicoline in the presence of co-formulated piracetam through fluorescence quenching of eosin Y. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 236, 118337.	3.9	4
24	Determination of the abused intravenously self-administered madness drops (Tropicamide) by liquid chromatography in rat plasma; an application to pharmacokinetic study and greenness profile assessment. <i>Microchemical Journal</i> , 2020, 159, 105582.	4.5	39
25	Computational and experimental studies on the efficient removal of diclofenac from water using ZnFe-layered double hydroxide as an environmentally benign absorbent. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 102, 297-311.	5.3	56
26	Novel spectral manipulations for determinations of Tolnaftate along with related toxic compounds: Drug profiling and a comparative study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117290.	3.9	3
27	HPTLC-Densitometric Method for Determination of Ascorbic Acid, Paracetamol and Guaifenesin in Presence of Their Toxic Impurities. <i>Journal of Chromatographic Science</i> , 2019, 57, 149-155.	1.4	9
28	Seasonal occurrence, removal efficiency and associated ecological risk assessment of three antibiotics in a municipal wastewater treatment plant in Egypt. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100239.	2.9	12
29	Different stability-indicating chromatographic methods for specific determination of paracetamol, dantrolene sodium, their toxic impurities and degradation products. <i>Biomedical Chromatography</i> , 2019, 33, e4598.	1.7	17
30	Two validated chromatographic determinations of an antifungal drug, its toxic impurities and degradation product: A comparative study. <i>Biomedical Chromatography</i> , 2019, 33, e4547.	1.7	3
31	Determination of sofosbuvir with two co-administered drugs; paracetamol and DL-methionine by two chromatographic methods. Application to a pharmacokinetic study. <i>Bioanalysis</i> , 2019, 11, 349-364.	1.5	18
32	Development and Validation of Different Spectrophotometric and High-Performance Thin-Layer Chromatographic Methods for the Determination of Fosinopril Sodium, Hydrochlorothiazide, and Chlorothiazide as Hydrochlorothiazide Impurity. <i>Journal of Planar Chromatography - Modern TLC</i> , 2019, 32, 411-420.	1.2	3
33	Chromatographic methods development, validation and degradation characterization of the antithyroid drug Carbimazole. <i>Biomedical Chromatography</i> , 2019, 33, e4472.	1.7	2
34	Different Chromatographic Methods for the Determination of Antidiabetic Drugs in the Presence of Drug Toxic Impurity. <i>Journal of Planar Chromatography - Modern TLC</i> , 2019, 32, 309-316.	1.2	5
35	Stability-Indicating HPLC and HPTLC Methods for Determination of Agomelatine and its Degradation Products. <i>Journal of Chromatographic Science</i> , 2018, 56, 317-326.	1.4	5
36	Chromatographic Methods for Quantitative Determination of Ampicillin, Dicloxacin and Their Impurity 6-Aminopenicillanic Acid. <i>Journal of Chromatographic Science</i> , 2018, 56, 209-215.	1.4	10

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37	Solid-Phase Extraction and HPLC-DAD for Determination of Salbutamol in Urine Samples. Analytical Chemistry Letters, 2018, 8, 35-45.	1.0	19
38	Development and validation of spectrophotometric and high-performance thin-layer chromatographic methods for the determination of folic acid in the presence of its impurities (degradation products). Journal of Planar Chromatography - Modern TLC, 2018, 31, 367-376.	1.2	2
39	Analysis of Carbamazepine, Oxcarbazepine, Their Impurities, and Non-Labeled Interfering Substances by Stability-indicating UPLC/MS/MS Method: Studying the Method's Greenness Profile. Chromatographia, 2018, 81, 1503-1517.	1.3	5
40	Different spectrophotometric and TLC-densitometric methods for determination of olmesartan medoxomil and hydrochlorothiazide and their degradation products. European Journal of Chemistry, 2018, 9, 400-407.	0.6	6
41	<i>In vitro</i> / <i>in vivo</i> correlation and modeling of emitted dose and lung deposition of inhaled salbutamol from metered dose inhalers with different types of spacers in noninvasively ventilated patients. Pharmaceutical Development and Technology, 2017, 22, 871-880.	2.4	40
42	Simultaneous determination of Dimenhydrinate, Cinnarizine and Cinnarizine impurity by TLC and HPLC chromatographic methods. Bulletin of Faculty of Pharmacy, Cairo University, 2017, 55, 163-169.	0.3	14
43	Fill volume, humidification and heat effects on aerosol delivery and fugitive emissions during noninvasive ventilation. Journal of Drug Delivery Science and Technology, 2017, 39, 372-378.	3.0	50
44	Spectrophotometric Methods for Resolving Ternary Mixture of Diflunisal, Naproxen and Diflunisal Toxic Impurity. Analytical Chemistry Letters, 2017, 7, 97-108.	1.0	4
45	Inhaled salbutamol dose delivered by jet nebulizer, vibrating mesh nebulizer and metered dose inhaler with spacer during invasive mechanical ventilation. Pulmonary Pharmacology and Therapeutics, 2017, 45, 159-163.	2.6	42
46	Different spectrophotometric and TLC-densitometric methods for determination of pyrazinamide in presence of its impurity. Bulletin of Faculty of Pharmacy, Cairo University, 2017, 55, 185-194.	0.3	1
47	In-vitro/ <i>in vivo</i> comparison of inhaled salbutamol dose delivered by jet nebulizer, vibrating mesh nebulizer and metered dose inhaler with spacer during non-invasive ventilation. Experimental Lung Research, 2017, 43, 19-28.	1.2	40
48	Different Spectrophotometric Methods for Quantitative Determination of Benztropine Mesylate in Presence of Its Carcinogenic Degradation Product. Analytical Chemistry Letters, 2017, 7, 356-368.	1.0	1
49	Stability-Indicating UPLC and TLC-Densitometric Methods for Determination of Benztropine Mesylate and Its Carcinogenic Degradation Product. Journal of Chromatographic Science, 2017, 55, 961-968.	1.4	1
50	Modelling of in-vitro and in-vivo performance of aerosol emitted from different vibrating mesh nebulisers in non-invasive ventilation circuit. European Journal of Pharmaceutical Sciences, 2017, 97, 182-191.	4.0	46
51	In vitro aerodynamic characteristics of aerosol delivered from different inhalation methods in mechanical ventilation. Pharmaceutical Development and Technology, 2017, 22, 844-849.	2.4	37
52	Validated Chromatographic Methods for the Analysis of Two Binary Mixtures Containing Pyridoxine Hydrochloride. Journal of AOAC INTERNATIONAL, 2017, 100, 414-421.	1.5	12
53	Development and validation of different spectrophotometric and chromatographic methods for determination of clotrimazole and hydrocortisone in a topical cream. European Journal of Chemistry, 2017, 8, 371-377.	0.6	3
54	Mean centering of ratio spectra and successive derivative ratio spectrophotometric methods for determination of isopropamide iodide, trifluoperazine hydrochloride and trifluoperazine oxidative degrade. Journal of Saudi Chemical Society, 2016, 20, S153-S160.	5.2	3

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55	Different chromatographic methods for the simultaneous determination of vitamin E and vinpocetine in their combined dosage form and in the presence of the alkaline-induced degradation product of vinpocetine. <i>Journal of Planar Chromatography - Modern TLC</i> , 2016, 29, 372-379.	1.2	3
56	Determination of chlorzoxazone, diclofenac potassium, and chlorzoxazone toxic degradation product by different chromatographic methods. <i>Journal of Planar Chromatography - Modern TLC</i> , 2016, 29, 453-461.	1.2	5
57	Validated Univariate and Multivariate Spectrophotometric Methods for Determination of Paracetamol, Ascorbic Acid and Pseudoephedrine Hydrochloride. <i>Analytical Chemistry Letters</i> , 2016, 6, 706-717.	1.0	1
58	Stability-Indicating TLC-Densitometric and HPLC Methods for the Simultaneous Determination of Piracetam and Vincamine in the Presence of Their Degradation Products. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 1490-1498.	1.5	7
59	Simultaneous determination of Carbazochrome and Troxerutin in their binary mixture by HPLC and HPTLC-Densitometric methods. <i>Bulletin of Faculty of Pharmacy, Cairo University</i> , 2016, 54, 67-75.	0.3	2
60	Least-Squares Regression and Spectral Residual Augmented Classical Least-Squares Chemometric Models for Stability-Indicating Analysis of Agomelatine and Its Degradation Products: A Comparative Study. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 386-395.	1.5	7
61	Spectrophotometric Methods for Quantitative Determination of Chlorhexidine Gluconate and its Major Impurity, Metabolite and Degradation Product: Para-chloro-aniline. <i>Analytical Chemistry Letters</i> , 2016, 6, 232-248.	1.0	9
62	Stability Indicating Spectrophotometric Methods for Determination of Vitamin E and Vinpocetine in Their Combined Dosage Form. <i>Analytical Chemistry Letters</i> , 2016, 6, 384-397.	1.0	4
63	In-Vitro Characterization of the Aerosolized Dose During Non-Invasive Automatic Continuous Positive Airway Pressure Ventilation. <i>Pulmonary Therapy</i> , 2016, 2, 115-126.	2.2	54
64	Spectrophotometric methods for analysis of different dosage forms containing pyridoxine hydrochloride. <i>European Journal of Chemistry</i> , 2016, 7, 30-36.	0.6	9
65	Simultaneous determination of carbinoxamine maleate and pseudoephedrine HCl in their pure form and in their pharmaceutical formulation by HPTLC-densitometric method. <i>European Journal of Chemistry</i> , 2016, 7, 37-41.	0.6	5
66	Development and Validation of Chromatographic Methods for Resolving Ternary Mixture of Diflunisal, Naproxen and Diflunisal Toxic Impurity. <i>Analytical Chemistry Letters</i> , 2015, 5, 399-409.	1.0	4
67	Micellar liquid chromatographic determination of salbutamol sulfate in presence of methyl paraben, propyl paraben and benzoic acid: application to content uniformity testing. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1439-1446.	2.2	5
68	HPTLC Method for Quantitative Determination of Zopiclone and Its Impurity. <i>Journal of Chromatographic Science</i> , 2015, 53, 1395-1399.	1.4	7
69	Stability indicating RP-HPLC method for the determination of flubendazole in pharmaceutical dosage forms. <i>RSC Advances</i> , 2015, 5, 10927-10935.	3.6	4
70	Quantitative determination of zopiclone and its impurity by four different spectrophotometric methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 137, 617-624.	3.9	9
71	Kinetic study and mechanism of Niclosamide degradation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 655-662.	3.9	11
72	Simultaneous Determination of Methocarbamol and Ibuprofen by First Derivative Synchronous Fluorescence Spectroscopic Method in Their Binary Mixture and Spiked Human Plasma. <i>Journal of Fluorescence</i> , 2014, 24, 129-135.	2.5	22

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73	Superior spectrophotometric method for determination of a ternary mixture with overlapping spectra. <i>Analytical Methods</i> , 2014, 6, 509-514.	2.7	10
74	Stability indicating HPTLC method for determination of Metopimazine in pharmaceutical formulation and human plasma. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2014, 3, 52-62.	2.0	2
75	Selective spectrophotometric methods for determination of ternary mixture with overlapping spectra: A comparative study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 124, 389-396.	3.9	8
76	Simultaneous determination of Cinnarizine and Domperidone by area under curve and dual wavelength spectrophotometric methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 291-296.	3.9	38
77	Validated stability indicating methods for determination of nitazoxanide in presence of its degradation products. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 105-116.	5.3	24
78	Simultaneous Determination of Diloxanide Furoate and Metronidazole in Presence of Diloxanide Furoate Degradation Products. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 1427-1439.	1.5	7
79	Spectrophotometric determination of isopropamide Iodide and trifluoperazine hydrochloride in presence of trifluoperazine oxidative degradate. <i>Drug Testing and Analysis</i> , 2010, 2, 168-181.	2.6	15
80	Spectrophotometric and spectrodensitometric determination of triamterene and xipamide in pure form and in pharmaceutical formulation. <i>Drug Testing and Analysis</i> , 2010, 2, 113-121.	2.6	19
81	Spectrophotometric and spectrodensitometric determination of Clopidogrel Bisulfate with kinetic study of its alkaline degradation. <i>Talanta</i> , 2009, 78, 874-884.	5.5	21
82	Detection, ecological risk assessment and removal efficiency of diclofenac and caffeine in wastewater treatment plant. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 464, 012001.	0.6	1