Maha M Abdelrahman

List of Publications by Year
in descending order

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143 papers	1,539 citations	394286 19 h-index	477173 29 g-index
144 all docs	144 docs citations	144 times ranked	1170 citing authors

#	Article	IF	Citations
1	Computational and experimental studies on the efficient removal of diclofenac from water using ZnFe-layered double hydroxide as an environmentally benign absorbent. Journal of the Taiwan Institute of Chemical Engineers, 2019, 102, 297-311.	2.7	56
2	In-Vitro Characterization of the Aerosolized Dose During Non-Invasive Automatic Continuous Positive Airway Pressure Ventilation. Pulmonary Therapy, 2016, 2, 115-126.	1.1	54
3	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.	1.9	46
4	Capacitive sensor based on molecularly imprinted polymers for detection of the insecticide imidacloprid in water. Scientific Reports, 2020, 10, 14479.	1.6	43
5	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.	1.1	42
6	<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.	1.1	40
7	In-vitro/in-vivo 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.	0.5	40
8	Validated stability indicating RP-HPLC method for determination of paracetamol, methocarbamol and their related substances. Analytical Methods, 2013, 5, 541-545.	1.3	39
9	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. Microchemical Journal, 2020, 159, 105582.	2.3	39
10	Simultaneous determination of Cinnarizine and Domperidone by area under curve and dual wavelength spectrophotometric methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 113, 291-296.	2.0	38
11	In vitro aerodynamic characteristics of aerosol delivered from different inhalation methods in mechanical ventilation. Pharmaceutical Development and Technology, 2017, 22, 844-849.	1.1	37
12	Electroanalytical sensing of the antimicrobial drug linezolid utilising an electrochemical sensing platform based upon a multiwalled carbon nanotubes/bromocresol green modified carbon paste electrode. Analytical Methods, 2016, 8, 4345-4353.	1.3	36
13	Validated Chromatographic Methods for Determination of Hydrochlorothiazide and Spironolactone in Pharmaceutical Formulation in Presence of Impurities and Degradants. Journal of Chromatographic Science, 2011, 49, 129-135.	0.7	29
14	Spectrophotometric methods for simultaneous determination of Carvedilol and Hydrochlorothiazide in combined dosage form. Arabian Journal of Chemistry, 2016, 9, S355-S360.	2.3	28
15	3D Bismuth Ferrite Microflowers Electrochemical Sensor for the Multiple Detection of Pesticides. Journal of the Electrochemical Society, 2020, 167, 027543.	1.3	28
16	Simultaneous Determination of Methocarbamol and Ibuprofen by First Derivative Synchronous Fluorescence Spectroscopic Method in Their Binary Mixture and Spiked Human Plasma. Journal of Fluorescence, 2014, 24, 129-135.	1.3	22
17	Determination of flutamide and two major metabolites using HPLCâ€“DAD and HPTLC methods. Chemistry Central Journal, 2018, 12, 4.	2.6	22
18	Spectrophotometric and spectrodensitometric determination of Clopidogrel Bisulfate with kinetic study of its alkaline degradation. Talanta, 2009, 78, 874-884.	2.9	21

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19	Chromatographic analysis of ledipasvir and sofosbuvir: New treatment for chronic hepatitis C infection with application to human plasma. Journal of Liquid Chromatography and Related Technologies, 2017, 40, 327-332.	0.5	21
20	Stability-Indicating TLCâ€“Densitometric Method for Simultaneous Determination of Paracetamol and Chlorzoxazone and their Toxic Impurities. Journal of Chromatographic Science, 2013, 51, 187-191.	0.7	20
21	Spectrophotometric and spectrodensitometric determination of triamterene and xipamide in pure form and in pharmaceutical formulation. Drug Testing and Analysis, 2010, 2, 113-121.	1.6	19
22	Two spectrophotometric methods for simultaneous determination of some antihyperlipidemic drugs. Journal of Pharmaceutical Analysis, 2012, 2, 279-284.	2.4	19
23	Solid-Phase Extraction and HPLC-DAD for Determination of Salbutamol in Urine Samples. Analytical Chemistry Letters, 2018, 8, 35-45.	0.4	19
24	Two different spectrophotometric determinations of potential anticancer drug and its toxic metabolite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 360-367.	2.0	18
25	Determination of sofosbuvir with two co-administered drugs;Âparacetamol and DL-methionine by two chromatographic methods. Application to a pharmacokinetic study. Bioanalysis, 2019, 11, 349-364.	0.6	18
26	Innovative Spectrophotometric Methods for Determination of Newly Discovered Combination for Hepatitis C Treatment. Analytical Chemistry Letters, 2016, 6, 783-794.	0.4	17
27	Different stabilityâ€indicating chromatographic methods for specific determination of paracetamol, dantrolene sodium, their toxic impurities and degradation products. Biomedical Chromatography, 2019, 33, e4598.	0.8	17
28	Stability indicating RP-HPLC method for simultaneous determination of guaifenesin and pseudoephedrine hydrochloride in the presence of syrup excepients. Arabian Journal of Chemistry, 2017, 10, S2896-S2901.	2.3	16
29	Spectrophotometric determination of isopropamide Iodide and trifluoperazine hydrochloride in presence of trifluoperazine oxidative degradate. Drug Testing and Analysis, 2010, 2, 168-181.	1.6	15
30	Quality by design approach for green HPLC method development for simultaneous analysis of two thalassemia drugs in biological fluid with pharmacokinetic study. RSC Advances, 2022, 12, 13896-13916.	1.7	15
31	Application of spectrophotometric, densitometric, and HPLC techniques as stability indicating methods for determination of Zaleplon in pharmaceutical preparations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1220-1230.	2.0	14
32	A novel spectral resolution and simultaneous determination of multicomponent mixture of Vitamins B1, B6, B12, Benfotiamine and Diclofenac in tablets and capsules by derivative and MCRâ€“ALS. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 524-533.	2.0	13
33	Total emitted dose of salbutamol sulphate at different inhalation flows and inhalation volumes through different types of dry powder inhalers. Experimental Lung Research, 2018, 44, 211-216.	0.5	13
34	Experimentally Designed Sensor for Direct Determination of the Environmentally Hazardous Compound and Occupational Exposure Biomarker (p-aminophenol) in Different Sampling Matrices. Journal of the Electrochemical Society, 2020, 167, 147504.	1.3	13
35	Determination of dimenhydrinate and cinnarizine in combined dosage form in presence of cinnarizine impurity. European Journal of Chemistry, 2015, 6, 475-481.	0.3	13
36	Determination of Ambroxol Hydrochloride, Guaifenesin, and Theophylline in Ternary Mixtures and in the Presence of Excipients in Different Pharmaceutical Dosage Forms. Journal of AOAC INTERNATIONAL, 2012, 95, 1629-1638.	0.7	12

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37	TLC-densitometric determination of guaifenesin, pseudoephedrine hydrochloride and guaifenesin related substance (Guaiacol). Journal of Planar Chromatography - Modern TLC, 2013, 26, 73-77.	0.6	12
38	Validated Chromatographic Methods for the Analysis of Two Binary Mixtures Containing Pyridoxine Hydrochloride. Journal of AOAC INTERNATIONAL, 2017, 100, 414-421.	0.7	12
39	Kinetic study and mechanism of Niclosamide degradation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 655-662.	2.0	11
40	Validated Stability Indicating TLC-Densitometric Method for the Determination of Diacerein. Journal of Chromatographic Science, 2014, 52, 5-11.	0.7	11
41	Spectrophotometric and chemometric determination of hydrochlorothiazide and spironolactone in binary mixture in the presence of their impurities and degradants. Drug Testing and Analysis, 2010, 2, 243-251.	1.6	10
42	Determination of atenolol, chlorthalidone and their degradation products by TLC-densitometric and chemometric methods with application of model updating. Analytical Methods, 2010, 2, 1994.	1.3	10
43	Superior spectrophotometric method for determination of a ternary mixture with overlapping spectra. Analytical Methods, 2014, 6, 509-514.	1.3	10
44	Validated HPLC-DAD method for stability study of sulbutiamine HCl. RSC Advances, 2014, 4, 30523-30529.	1.7	10
45	Stability-Indicating HPTLC Method for Studying Stress Degradation Behavior of Sulbutiamine HCl. Journal of Chromatographic Science, 2016, 54, 609-617.	0.7	10
46	Different Chromatographic Methods for Simultaneous Determination of Mefenamic Acid and Two of Its Toxic Impurities. Journal of Chromatographic Science, 2017, 55, 766-772.	0.7	10
47	Chromatographic Methods for Quantitative Determination of Ampicillin, Dicloxacillin and Their Impurity 6-Aminopenicillanic Acid. Journal of Chromatographic Science, 2018, 56, 209-215.	0.7	10
48	Effect of Oxygen Flow on Aerosol Delivery From a Nebulizer With a Holding Chamber. Respiratory Care, 2019, 64, 1508-1515.	0.8	10
49	New ecological method for determination of different Î²-lactams: application to real human plasma samples. RSC Advances, 2019, 9, 19539-19548.	1.7	10
50	Inhaled salbutamol from aerolizer and diskus at different inhalation flows, inhalation volume and number of inhalations in both healthy subjects and COPD patients. Experimental Lung Research, 2019, 45, 84-91.	0.5	10
51	Simultaneous estimation of dimenhydrinate, cinnarizine and their toxic impurities benzophenone and diphenylmethylpiperazine; in silico toxicity profiling of impurities. RSC Advances, 2020, 10, 37439-37448.	1.7	10
52	Experimentally designed chromatographic method for the simultaneous analysis of dimenhydrinate, cinnarizine and their toxic impurities. RSC Advances, 2021, 11, 1450-1460.	1.7	10
53	Quantitative determination of zopiclone and its impurity by four different spectrophotometric methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 617-624.	2.0	9
54	Spectrophotometric Methods for Quantitative Determination of Chlorhexidine Gluconate and its Major Impurity, Metabolite and Degradation Product: Para-chloro-aniline. Analytical Chemistry Letters, 2016, 6, 232-248.	0.4	9

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55	Green chromatographic method for analysis of some anti-cough drugs and their toxic impurities with comparison to conventional methods. Saudi Pharmaceutical Journal, 2018, 26, 1185-1191.	1.2	9
56	HPTLC-Densitometric Method for Determination of Ascorbic Acid, Paracetamol and Guaifenesin in Presence of Their Toxic Impurities. Journal of Chromatographic Science, 2019, 57, 149-155.	0.7	9
57	Different chromatographic methods for determination of alogliptin benzoate, metformin hydrochloride, and metformin impurity in bulk and pharmaceutical dosage form. Journal of Separation Science, 2021, 44, 833-842.	1.3	9
58	Elicitation of phenolics from the micropropagated endangered medicinal plant Calligonum polygonoides L. (Polygonoaceae). Pharmacognosy Magazine, 2016, 12, 465.	0.3	9
59	Simultaneous determination of some antiprotozoal drugs in different combined dosage forms by mean centering of ratio spectra and multivariate calibration with model updating methods. Chemistry Central Journal, 2012, 6, 27.	2.6	8
60	Selective spectrophotometric methods for determination of ternary mixture with overlapping spectra: A comparative study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 389-396.	2.0	8
61	Efficient UPLC and CE methods for the simultaneous determination of azelastine hydrochloride and its genotoxic impurity. Biomedical Chromatography, 2018, 32, e4346.	0.8	8
62	Simultaneous Determination of Thalidomide and Dexamethasone in Rat Plasma by Validated HPLC and HPTLC With Pharmacokinetic Study. Journal of Chromatographic Science, 2019, 57, 130-138.	0.7	8
63	Stability indicating spectrophotometric methods for quantitative determination of bromazepam and its degradation product. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118433.	2.0	8
64	Simultaneous Determination of Diloxanide Furoate and Metronidazole in Presence of Diloxanide Furoate Degradation Products. Journal of AOAC INTERNATIONAL, 2011, 94, 1427-1439.	0.7	7
65	Simultaneous determination of a quaternary mixture of oxomemazine, sodium benzoate, guaifenesin and paracetamol by chromatographic methods. Beni-Suef University Journal of Basic and Applied Sciences, 2014, 3, 260-268.	0.8	7
66	HPTLC Method for Quantitative Determination of Zopiclone and Its Impurity. Journal of Chromatographic Science, 2015, 53, 1395-1399.	0.7	7
67	Stability-Indicating TLC-Densitometric and HPLC Methods for the Simultaneous Determination of Piracetam and Vincamine in the Presence of Their Degradation Products. Journal of AOAC INTERNATIONAL, 2016, 99, 1490-1498.	0.7	7
68	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. Journal of AOAC INTERNATIONAL, 2016, 99, 386-395.	0.7	7
69	Different Spectrophotometric and TLC-Densitometric Methods for Determination of Mesalazine in Presence of Its Two Toxic Impurities. Chemical and Pharmaceutical Bulletin, 2016, 64, 1268-1274.	0.6	7
70	Different Spectrophotometric and Chromatographic Methods for Determination of Mepivacaine and Its Toxic Impurity. Journal of AOAC INTERNATIONAL, 2017, 100, 1392-1399.	0.7	7
71	Development and Validation of Different Chromatographic Methods for Analysis of Cabergoline in the Presence of Its Degradation Products: Studying Degradation Profile. Chromatographia, 2019, 82, 1555-1569.	0.7	7
72	Stabilityâ€indicating chromatographic and chemometric methods for environmentally benign determination of canagliflozin and its major degradation product; A comparative study and greenness assessment. Biomedical Chromatography, 2019, 33, e4612.	0.8	7

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73	Simple GCâ€“MS method for analysis of Levetiracetam and process-related toxic impurity. Microchemical Journal, 2019, 146, 1236-1240.	2.3	7
74	Comparison of two augmented classical least squares algorithms and PLS for determining nifuroxazide and its genotoxic impurities using UV spectroscopy. Journal of Chemometrics, 2019, 33, e3190.	0.7	7
75	Novel eco-friendly chromatographic determinations of hydrocortisone acetate, fusidic acid, their pharmacologically active impurities and pharmaceutical excipients: a comparative study. Chemical Papers, 2020, 74, 2175-2187.	1.0	7
76	Chromatographic determination of sulfasalazine and its active metabolites: greenness assessment and application to spiked human plasma. Biomedical Chromatography, 2020, 34, e4804.	0.8	7
77	Validated ecofriendly chromatographic method for quantitative determination of antiâ€migraine quaternary mixture. Journal of Separation Science, 2020, 43, 2330-2337.	1.3	7
78	Development and Validation of Stability Indicating High-Performance Liquid Chromatographic Method for Determination of Cyproheptadine Hydrochloride, its Impurity And Degradation Product. Journal of Chromatographic Science, 2021, 59, 128-133.	0.7	7
79	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. RSC Advances, 2021, 11, 7790-7800.	1.7	7
80	Development and validation of a stability indicating RP-HPLC-DAD method for the determination of bromazepam. PLoS ONE, 2021, 16, e0244951.	1.1	7
81	Nanoparticle-enhanced in-line potentiometric ion sensor for point-of-care diagnostics for tropicamide abuse in biological fluid. Analytica Chimica Acta, 2022, 1192, 339350.	2.6	7
82	Validated RP-HPLC and TLC-Densitometric Methods for Analysis of Ternary Mixture of Cetylpyridinium Chloride, Chlorocresol and Lidocaine in Oral Antiseptic Formulation. Journal of Chromatographic Science, 2015, 54, bmv144.	0.7	6
83	Different chromatographic methods for simultaneous determination of diloxanide furoate, metronidazole and its toxic impurity. Journal of the Iranian Chemical Society, 2016, 13, 1643-1651.	1.2	6
84	Ecological HPLC method for analyzing an antidiabetic drug in real rat plasma samples and studying the effects of concurrently administered fenugreek extract on its pharmacokinetics. RSC Advances, 2021, 11, 4740-4750.	1.7	6
85	Therapeutic drug monitoring of two co-administered drugs through development of two ecological chromatographic methods: Invivo application. Microchemical Journal, 2020, 156, 104935.	2.3	6
86	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.	0.3	6
87	SIMULTANEOUS DETERMINATION OF SOME ANTIPROTOZOAL DRUGS IN THEIR BINARY AND TERNARY MIXTURES WITH MEBEVERINE HYDROCHLORIDE IN DIFFERENT DOSAGE FORMS. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 1528-1539.	0.5	5
88	Micellar liquid chromatographic determination of salbutamol sulfate in presence of methyl paraben, propyl paraben and benzoic acid: application to content uniformity testing. Journal of the Iranian Chemical Society, 2015, 12, 1439-1446.	1.2	5
89	Validated Chromatographic Methods for Simultaneous Determination of Tolfenamic Acid and Its Major Impurities. Journal of Chromatographic Science, 2015, 53, 484-491.	0.7	5
90	Determination of chlorzoxazone, diclofenac potassium, and chlorzoxazone toxic degradation product by different chromatographic methods. Journal of Planar Chromatography - Modern TLC, 2016, 29, 453-461.	0.6	5

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91	A comparative study of ICH validated novel spectrophotometric techniques for resolving completely overlapping spectra of quaternary mixtures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 114-122.	2.0	5
92	Three New Methods for Resolving Ternary Mixture with Overlapping Spectra: Comparative Study. Chemical and Pharmaceutical Bulletin, 2017, 65, 558-565.	0.6	5
93	Stability-Indicating HPLC and HPTLC Methods for Determination of Agomelatine and its Degradation Products. Journal of Chromatographic Science, 2018, 56, 317-326.	0.7	5
94	Analysis of Carbamazepine, Oxcarbazepine, Their Impurities, and Non-Labeled Interfering Substances by Stability-indicating UPLC/MS/MS Method: Studying the Methodâ€™s Greenness Profile. Chromatographia, 2018, 81, 1503-1517.	0.7	5
95	Quantitative Determination of Anti-Migraine Quaternary Mixture in Presence of <i>p</i>-Aminophenol and 4-Chloroacetanilide. Journal of Chromatographic Science, 2022, 60, 538-544.	0.7	5
96	Different Chromatographic Methods for the Determination of Antidiabetic Drugs in the Presence of Drug Toxic Impurity. Journal of Planar Chromatography - Modern TLC, 2019, 32, 309-316.	0.6	5
97	Spectrofluorimetric determination of Bisoprolol fumarate and Rosuvastatin calcium in a novel combined formulation and in human spiked plasma. European Journal of Chemistry, 2018, 9, 331-337.	0.3	5
98	US FDAâ€“validated TLC method with four greenness assessment evaluations for simultaneous determination of prednisolone and esomeprazole in spiked human plasma. Biomedical Chromatography, 2022, 36, e5343.	0.8	5
99	Stability-Indicating Methods for Determination of Tiapride in Pure Form, Pharmaceutical Preparation, and Human Plasma. Journal of AOAC INTERNATIONAL, 2007, 90, 1554-1565.	0.7	4
100	Development and Validation of Chromatographic Methods for Resolving Ternary Mixture of Diflunisal, Naproxen and DiflunisalToxic Impurity. Analytical Chemistry Letters, 2015, 5, 399-409.	0.4	4
101	Stability indicating RP-HPLC method for the determination of flubendazole in pharmaceutical dosage forms. RSC Advances, 2015, 5, 10927-10935.	1.7	4
102	Determination of dantrolene sodium in the presence of its process-related impurity by high-performance thin-layer chromatographyâ€"spectrodensitometry. Journal of Planar Chromatography - Modern TLC, 2016, 29, 462-468.	0.6	4
103	Stability Indicating Spectrophotometric Methods for Determination of Vitamin E and Vinpocetine in Their Combined Dosage Form. Analytical Chemistry Letters, 2016, 6, 384-397.	0.4	4
104	Spectrophotometric Methods for Resolving Ternary Mixture of Diflunisal, Naproxen and Diflunisal Toxic Impurity. Analytical Chemistry Letters, 2017, 7, 97-108.	0.4	4
105	Study of gliquidone degradation behavior by highâ€performance thinâ€layer chromatography and ultraâ€performance liquid chromatography methods. Biomedical Chromatography, 2017, 31, e4025.	0.8	4
106	Green chromatographic methods for simultaneous determination of quetiapine and the co-administrated paroxetine in rat plasma with application to pharmacokinetic study. Microchemical Journal, 2020, 152, 104317.	2.3	4
107	Spectrofluorimetric approach for determination of citicoline in the presence of co-formulated piracetam through fluorescence quenching of eosin Y. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 236, 118337.	2.0	4
108	STABILITY INDICATING TLC-DENSITOMETRIC METHOD FOR DETERMINATION OF CHLORPROPAMIDE. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 1575-1585.	0.5	3

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109	Mean centering of ratio spectra and successive derivative ratio spectrophotometric methods for determination of isopropamide iodide, trifluoperazine hydrochloride and trifluoperazine oxidative degradate. Journal of Saudi Chemical Society, 2016, 20, S153-S160.	2.4	3
110	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. Journal of Planar Chromatography - Modern TLC, 2016, 29, 372-379.	0.6	3
111	Novel spectral manipulations for determinations of Tolnaftate along with related toxic compounds: Drug profiling and a comparative study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117290.	2.0	3
112	Baclofen impurities: Facile synthesis and novel environmentally benign chromatographic method for their simultaneous determination in baclofen. Biomedical Chromatography, 2019, 33, e4579.	0.8	3
113	Two validated chromatographic determinations of an antifungal drug, its toxic impurities and degradation product: A comparative study. Biomedical Chromatography, 2019, 33, e4547.	0.8	3
114	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. Journal of Planar Chromatography - Modern TLC, 2019, 32, 411-420.	0.6	3
115	Effects of nebulizer fill volume on the efficacy and safety of the bronchodilator. Journal of Drug Delivery Science and Technology, 2020, 56, 101508.	1.4	3
116	Rapid microwave-assisted hydrolytic degradation of colchicine: In silico ADME/Tox profile, molecular docking, and development of innovative RP-Chromatographic methods. Microchemical Journal, 2020, 152, 104419.	2.3	3
117	Development and validation of stability indicating chromatographic methods for simultaneous determination of citicoline and piracetam. Journal of Separation Science, 2020, 43, 2981-2988.	1.3	3
118	In vitro and in vivo performance modelling and optimisation of different dry powder inhalers: A complementary study of neural networks, genetic algorithms and decision trees. International Journal of Clinical Practice, 2021, 75, e13764.	0.8	3
119	Development and Validation of Two Novel Chromatographic Methods: HPTLC and HPLC for Determination of Bromhexine Hydrochloride in Presence of Its Two Impurities. Journal of Chromatographic Science, 2021, 59, 425-431.	0.7	3
120	Analysis of sunitinib malate, a multi-targeted tyrosine kinase inhibitor: A critical review. Microchemical Journal, 2021, 163, 105926.	2.3	3
121	Simultaneous analysis of several antihypertensive drugs in different combinations: Application for determination of drug degradation products and process impurities. Microchemical Journal, 2021, 166, 106203.	2.3	3
122	Determination of Sulphasalazine and Its Related Compounds by Simple, Smart, Validated, Green Spectrophotometric Methods. Journal of AOAC INTERNATIONAL, 2022, 105, 352-361.	0.7	3
123	Eco-friendly UPLC method for determination of Levetiracetam and its toxic related substance. European Journal of Chemistry, 2016, 7, 329-333.	0.3	3
124	Design and optimization of a reversedâ€phase HPLC with diode array detection method for the determination of acemetacin and its toxic impurities using experimental design. Separation Science Plus, 2018, 1, 244-252.	0.3	2
125	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.	0.6	2
126	Chromatographic methods development, validation and degradation characterization of the antithyroid drug Carbimazole. Biomedical Chromatography, 2019, 33, e4472.	0.8	2

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127	Ecofriendly chromatographic methods for determination of co-prescribed drugs, olanzapine and metformin, in rat plasma. Bioanalysis, 2020, 12, 597-613.	0.6	2
128	The convenient use of fluorescamine for spectrofluorimetric quantitation of pramipexole in pure form and pharmaceutical formulation; application to content uniformity testing. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118414.	2.0	2
129	Ecofriendly Validated Chromatographic Methods for Quantitation of Cyclizine and Its Toxic Impurities in Its Parenteral Formulation. Chromatographia, 2021, 84, 155-165.	0.7	2
130	Simultaneous determination of bisoprolol fumarate and rosuvastatin calcium in a new combined formulation by validated RP-HPLC. European Journal of Chemistry, 2019, 10, 52-56.	0.3	2
131	Pioglitazone Synthetic Analogue Ameliorates Streptozotocin-Induced Diabetes Mellitus through Modulation of ACE 2/Angiotensin 1â€"7 via PI3K/AKT/mTOR Signaling Pathway. Pharmaceuticals, 2022, 15, 341.	1.7	2
132	Spectrofluorimetric Approach for Quantification of Cyclizine in the Presence of its Toxic Impurities in Human Plasma; in silico Study and ADMET Calculations. Journal of Fluorescence, 2022, 32, 993-1003.	1.3	2
133	Validated Univariateand Multivariate Spectrophotometric Methods for Determination of Paracetamol, Ascorbic Acid and Pseudoephedrine Hydrochloride. Analytical Chemistry Letters, 2016, 6, 706-717.	0.4	1
134	Different Spectrophotometric Methods for Quantitative Determination of Benztropine Mesylate in Presence of Its Carcinogenic Degradation Product. Analytical Chemistry Letters, 2017, 7, 356-368.	0.4	1
135	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.	0.7	1
136	Quantitative Determination of Synthesized Genotoxic Impurities in Nifuroxazide Capsules by Validated Chromatographic Methods. Journal of AOAC INTERNATIONAL, 2018, 101, 385-393.	0.7	1
137	Innovative spectrofluorometric protocol based on micro-environment improvement for determination of Quetiapine in dosage forms and rat plasma. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 233, 118196.	2.0	1
138	Evaluation of vinburnine in pharmaceuticals by smart spectrophotometric methods; full stability study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119209.	2.0	1
139	Validated spectrofluorometric determination of hypoglycemic combination, in pure form and pharmaceutical formulation using 9,10-phenanthraquinone reagent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119078.	2.0	1
140	Development and Greenness Assessment of HPLC Method for Studying the Pharmacokinetics of Co-Administered Metformin and Papaya Extract. Molecules, 2022, 27, 375.	1.7	1
141	Sustainable TLC-densitometric method for pharmacokinetic study of the concurrently used ibuprofen and metronidazole: Green metric assessment. Microchemical Journal, 2022, 179, 107582.	2.3	1
142	Different Spectrophotometric Methods for Determination of Mefenamic Acid in Presence of its Two Toxic Impurities. Analytical Chemistry Letters, 2016, 6, 398-407.	0.4	0
143	OUP accepted manuscript. Journal of AOAC INTERNATIONAL, 2021, , .	0.7	0