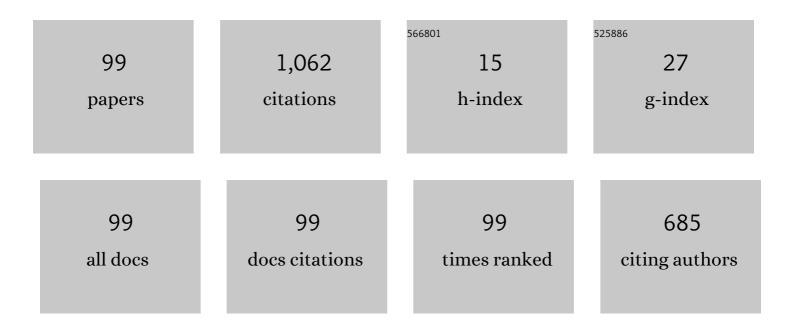
Maha A Hegazy

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Smart Mathematical Manipulation οf Spectral Signals: Stability Indicating, fοr the Estimation of Sοlifenacin Succinate: Anti-Muscarinic Drug, in Existence οf Its Acid Degradatiοn Product. Journal of AOAC INTERNATIONAL, 2022, 105, 323-331.	0.7	6
2	HPLC-UV and TLC-Densitometry Methods for Simultaneous Determination of Sofosbuvir and Daclatasvir: Application to Darvoni® Tablet. Journal of Chromatographic Science, 2022, 60, 606-612.	0.7	2
3	Three Smart and Original Spectrophotometric Data Processing Ratio Techniques for Resolving the Partial Overlapped Spectra of the Binary Antiviral Mixture Daclatasvir/Sofosbuvir: Application to Combined Dosage Form Darvoni® Tablets. Journal of AOAC INTERNATIONAL, 2022, 105, 612-622.	0.7	3
4	Development of distribution maps of spectrally similar degradation products by Raman chemical imaging microscope coupled with a new variable selection technique and SIMCA classifier. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 268, 120654.	2.0	4
5	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
6	A Reliable Electrochemical Sensor Based on Functionalized Magnetite Nanoparticles for Overâ€theâ€counter Allergy Medication Abuse Sensing in Biological Fluids. Electroanalysis, 2022, 34, 552-560.	1.5	5
7	Univariate versus multivariate spectrophotometric methods for the simultaneous determination of omarigliptin and two of its degradation products. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120880.	2.0	10
8	Spectrophotometric methods for determination of glimepiride and pioglitazone hydrochloride mixture and application in their pharmaceutical formulation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120745.	2.0	4
9	Kinetic Degradation Study of Ipragliflozin Coupled with MS/MS Structural Elucidation. Chromatographia, 2022, 85, 233-245.	0.7	4
10	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
11	A green TLC densitometric method for the simultaneous detection and quantification of naphazoline HCl, pheniramine maleate along with three official impurities. BMC Chemistry, 2022, 16, 24.	1.6	10
12	Sustainable liquid chromatographic determination and purity assessment of a possible add-on triple-action over-the-counter pharmaceutical combination in COVID-19. Microchemical Journal, 2022, 178, 107400.	2.3	9
13	Univariate and multivariate assisted spectrophotometric methods for determination of rosuvastatin calcium and fenofibrate in bulk powders and tablets along with their degradation products. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119163.	2.0	4
14	Ecofriendly Validated Chromatographic Methods for Quantitation of Cyclizine and Its Toxic Impurities in Its Parenteral Formulation. Chromatographia, 2021, 84, 155-165.	0.7	2
15	Determination of naphazoline HCl, pheniramine maleate and their official impurities in eye drops and biological fluid rabbit aqueous humor by a validated LC-DAD method. RSC Advances, 2021, 11, 7051-7058.	1.7	7
16	Quality and Stability Profile Assessment of the Recent Antidiabetic Omarigliptin by Using Different Chromatographic Methods. Journal of Chromatographic Science, 2021, 59, 762-769.	0.7	5
17	Selective Determination of Entecavir in the Presence of its Oxidative Degradate by Spectrophotometric and Chromatographic Methods. Journal of AOAC INTERNATIONAL, 2021, 104, 847-853.	0.7	1
18	Electrochemical Determination of Ipragliflozin in Pure Form and in Spiked Human Plasma on a Glassy Carbon Electrode. Journal of the Electrochemical Society, 2021, 168, 036507.	1.3	3

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19	In-line monitoring of sitagliptin dissolution profile from tablets utilizing an eco-friendly potentiometric sensor. Chemical Papers, 2021, 75, 4165-4176.	1.0	13
20	Implementation of Two Chromatographic Methods for Simultaneous Quantitation of Thioctic Acid, Benfotiamine and Cyanocobalamin. Journal of Chromatographic Science, 2021, 59, 964-970.	0.7	1
21	Selective spectrofluorimetric determination of two corticosteroids along with their coâ€formulated drugs and degradation products in ophthalmic solution and aqueous humour. Luminescence, 2021, 36, 1124-1142.	1.5	4
22	Greenness profile assessment of selective liquid chromatographic methods for determination of a quaternary antimigraine combination along with three of their related official impurities. Biomedical Chromatography, 2021, 35, e5132.	0.8	6
23	Formulation, optimization, and nephrotoxicity evaluation of an antifungal in situ nasal gel loaded with voriconazole‒clove oil transferosomal nanoparticles. Drug Delivery, 2021, 28, 2229-2240.	2.5	8
24	Selective quantitation of co-formulated ternary mixture in the presence of potential impurities by liquid chromatographic methods. Journal of Pharmaceutical and Biomedical Analysis, 2020, 177, 112821.	1.4	3
25	Ultra-performance liquid chromatography-tandem mass spectrometric method for quantitation of the recently Food and Drug Administration approved combination of vaborbactam and meropenem in human plasma. Royal Society Open Science, 2020, 7, 200635.	1.1	3
26	Green Liquid Chromatographic Methods with Ultraviolet and Tandem Mass Spectrometry Detection: An Application to Ternary Mixture of Paracetamol, Pseudoephedrine, and Cetirizine in Capsules. Journal of AOAC INTERNATIONAL, 2020, 103, 148-155.	0.7	11
27	Spectral signal processing approaches for selective quantification of the recently FDA approved brand-new combination of Vaborbactam and Meropenem; for conformity assessment of bulk and batch release. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118066.	2.0	1
28	Selective and Sensitive Chromatographic Methods for Determination of a Co-Formulated Binary Mixture in Antibacterial Eye Drops and Aqueous Humor in the Presence of Their Degradation Products and Potential Impurities. Journal of Chromatographic Science, 2020, 58, 37-52.	0.7	3
29	Spectrophotometry analysis for simultaneous determination of the new antiviral drug combination: Daclatasvir/sofosbuvir in their pure form and pharmaceutical preparation. Research Journal of Pharmacy and Technology, 2020, 13, 5939-5946.	0.2	6
30	Bilinear and trilinear algorithms utilizing full and selected variables for resolution and quantitation of four components with overlapped spectral signals in bulk and syrup dosage form. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 222, 117219.	2.0	1
31	Functionalized Fe ₃ O ₄ Magnetic Nanoparticle Potentiometric Detection Strategy versus Classical Potentiometric Strategy for Determination of Chlorpheniramine Maleate and Pseudoephedrine HCl. Journal of Analytical Methods in Chemistry, 2019, 2019, 1-10.	0.7	2
32	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
33	Fully optimized new sensitive electrochemical sensing platform for the selective determination of antiepileptic drug ezogabine. Microchemical Journal, 2019, 144, 130-138.	2.3	27
34	Pure component contribution (PCCA) and synergy interval partial least squares (siPLS) algorithms for efficient resolution and quantification of overlapped signals; an application to novel antiviral tablets of daclatasvir, sofosbuvir and ribavirin. European Journal of Chemistry, 2019, 10, 350-357.	0.3	4
35	Liquid chromatography–tandem MS/MS method for simultaneous quantification of paracetamol, chlorzoxazone and aceclofenac in human plasma: An application to a clinical pharmacokinetic study. Biomedical Chromatography, 2018, 32, e4232.	0.8	15
36	Validated HPTLC and HPLC methods for determination of fluorometholone and sodium cromoglycate in presence of their impurities and degradation products; application to kinetic study and on rabbit aqueous humor. Journal of Liquid Chromatography and Related Technologies, 2018, 41, 203-222.	0.5	5

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37	Simultaneous quantification of chlorpheniramine, pseudoephedrine, and ibuprofen in antitussive preparation by high-performance liquid chromatography and thin-layer chromatography–densitometric methods. Journal of Planar Chromatography - Modern TLC, 2018, 31, 272-279.	0.6	1
38	Validated potentiometric method for the determination of sulfacetamide sodium; application to its pharmaceutical formulations and spiked rabbit aqueous humor. Bulletin of Faculty of Pharmacy, Cairo University, 2018, 56, 207-212.	0.2	10
39	Advanced chemometrics manipulation of UV-spectroscopic data for determination of three co-formulated drugs along with their impurities in different formulations using variable selection and regression model updating. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy. 2018, 202, 359-367.	2.0	8
40	Novel Approach for the Simultaneous Determination of Carbinoxamine Maleate, Pholcodine, and Ephedrine Hydrochloride Without Interference from Coloring Matter in an Antitussive Preparation Using Smart Spectrophotometric Methods. Journal of AOAC INTERNATIONAL, 2018, 101, 414-426.	0.7	13
41	Novel contribution to the simultaneous monitoring of pramipexole dihydrochloride monohydrate and levodopa as co-administered drugs in human plasma utilizing UPLC–MS/MS. European Journal of Mass Spectrometry, 2018, 24, 397-407.	0.5	4
42	Resolution and Quantitation of Triamcinolone Acetonide and Its Coformulated Drug in the Presence of Its Impurities and Degradation Products by HPTLC and HPLC. Journal of AOAC INTERNATIONAL, 2018, 101, 981-991.	0.7	3
43	Different applications of isosbestic points, normalized spectra and dual wavelength as powerful tools for resolution of multicomponent mixtures with severely overlapping spectra. Chemistry Central Journal, 2017, 11, 43.	2.6	24
44	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
45	Simple chromatographic detection modes for antitumor agent and its degradants. Journal of Liquid Chromatography and Related Technologies, 2017, 40, 872-878.	0.5	1
46	Validated Chromatographic Methods for the Simultaneous Determination of Sulfacetamide Sodium and Prednisolone Acetate in their Ophthalmic Suspension. Journal of Chromatographic Science, 2017, 55, 1000-1005.	0.7	12
47	Chromatographic Study of Azintamide in Bulk Powder and in Pharmaceutical Formulation in the Presence of Its Degradation Form. Journal of AOAC INTERNATIONAL, 2017, 100, 422-428.	0.7	2
48	Novel Pure Component Contribution Algorithm (PCCA) and UHPLC Methods for Separation and Quantification of Amlodipine, Valsartan, and Hydrochlorothiazide in Ternary Mixture. Journal of AOAC INTERNATIONAL, 2017, 100, 692-699.	0.7	4
49	Novel pure component contribution, mean centering of ratio spectra and factor based algorithms for simultaneous resolution and quantification of overlapped spectral signals: An application to recently co-formulated tablets of chlorzoxazone, aceclofenac and paracetamol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy. 2016. 163. 89-95.	2.0	4
50	Evaluation of the efficiency of continuous wavelet transform as processing and preprocessing algorithm for resolution of overlapped signals in univariate and multivariate regression analyses; an application to ternary and quaternary mixtures. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 164, 15-23.	2.0	3
51	Chromatographic analysis of multicomponent mixture of vitamins B1, B6, B12, benfotiamine and diclofenac; part II: LC-tandem MS/MS method for simultaneous quantification of five components mixture in pharmaceutical formulations and human plasma. RSC Advances, 2016, 6, 39409-39423.	1.7	8
52	Micellar Electrokinetic Chromatography (MEKC) with Multiresponse Chemometric Optimization for the Determination of Hydrochlorothiazide and Coformulated Antihypertensives in the Presence of Hydrochlorothiazide Major Impurity. Journal of Chromatographic Science, 2016, 54, 1050-1060.	0.7	7
53	Rapid and selective determination of pitavastatin calcium in presence of its degradation products and co-formulated drug by first-derivative micelle-enhanced and synchronous fluorimetric methods. RSC Advances, 2016, 6, 107246-107255.	1.7	3
54	Phospholipidomic identification of potential serum biomarkers in dengue fever, hepatitis B and hepatitis C using liquid chromatography-electrospray ionization-tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1009-1010, 44-54.	1.2	11

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55	Evaluation of multivariate calibration models with different pre-processing and processing algorithms for a novel resolution and quantitation of spectrally overlapped quaternary mixture in syrup. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 76-83.	2.0	4
56	Validated spectrophotometric methods for simultaneous determination of Omeprazole, Tinidazole and Doxycycline in their ternary mixture. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 321-332.	2.0	32
57	Comparative study of reversed-phase high-performance liquid chromatography <i>versus</i> thin-layer chromatography—densitometry for determination of citicoline sodium in presence of its alkaline degradation products. Journal of Planar Chromatography - Modern TLC, 2015, 28, 241-247.	0.6	3
58	Simultaneous Determination of Carbinoxamine, Pholcodine, and Ephedrine in Antitussive Preparation by High-Performance Liquid Chromatography and Thin-Layer Chromatography–Densitometry. Journal of Planar Chromatography - Modern TLC, 2015, 28, 307-315.	0.6	7
59	Conventional univariate versus multivariate spectrophotometric assisted techniques for simultaneous determination of perindopril arginin and amlodipine besylate in presence of their degradation products. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150. 940-948.	2.0	10
60	Validated spectrophotometric methods for simultaneous determination of troxerutin and carbazochrome in dosage form. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 139, 206-213.	2.0	6
61	Novel spectrophotometric determination of chloramphenicol and dexamethasone in the presence of non labeled interfering substances using univariate methods and multivariate regression model updating. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 600-613.	2.0	31
62	Novel spectrophotometric methods for simultaneous determination of Amlodipine, Valsartan and Hydrochlorothiazide in their ternary mixture. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 495-508.	2.0	40
63	Mean centering of ratio spectra and concentration augmented classical least squares in a comparative approach for quantitation of spectrally overlapped bands of antihypertensives in formulations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 210-215.	2.0	4
64	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 MCR–ALS. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 524-533.	2.0	13
65	Validated green highâ€performance liquid chromatographic methods for the determination of coformulated pharmaceuticals: A comparison with reported conventional methods. Journal of Separation Science, 2015, 38, 757-763.	1.3	48
66	A novel pure component contribution algorithm (PCCA) for extracting components' contribution from severely overlapped signals; an application to UV-spectrophotometric data. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 405-414.	2.0	8
67	Comparative study of novel versus conventional two-wavelength spectrophotometric methods for analysis of spectrally overlapping binary mixture. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 148, 328-337.	2.0	36
68	Resolution of overlapped quaternary spectral bands by net analyte signal based methods; an application to different combinations in tablets and capsules. Journal of Analytical Chemistry, 2015, 70, 450-458.	0.4	1
69	Profiling of esterified fatty acids as biomarkers in the blood of dengue fever patients using a microliterâ€scale extraction followed by gas chromatography and mass spectrometry. Journal of Separation Science, 2015, 38, 316-324.	1.3	15
70	Novel spectrophotometric determination of flumethasone pivalate and clioquinol in their binary mixture and pharmaceutical formulation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 707-713.	2.0	20
71	Simultaneous spectrophotometric determination of overlapping spectra of paracetamol and caffeine in laboratory prepared mixtures and pharmaceutical preparations using continuous wavelet and derivative transform. Journal of Saudi Chemical Society, 2015, 19, 186-192.	2.4	24
72	Evaluating the efficiency of spectral resolution of univariate methods manipulating ratio spectra and comparing to multivariate methods: An application to ternary mixture in common cold preparation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 1363-1373.	2.0	10

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73	Smart Methods for Linezolid Determination in the Presence of Alkaline and Oxidative Degradation Products Utilizing Their Overlapped Spectral Bands. Journal of Applied Spectroscopy, 2014, 81, 702-710.	0.3	3
74	Determination of a novel ACE inhibitor in the presence of alkaline and oxidative degradation products using smart spectrophotometric and chemometric methods. Journal of Pharmaceutical Analysis, 2014, 4, 132-143.	2.4	7
75	Two and three way spectrophotometric-assisted multivariate determination of linezolid in the presence of its alkaline and oxidative degradation products and application to pharmaceutical formulation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 231-242.	2.0	12
76	Validated Stability Indicating RP-HPLC for Quantitation of Nitazoxanide in Presence of Its Alkaline Degradation Products and Their Characterization by HPLC-Tandem Mass Spectrometry. Journal of Chromatographic Science, 2014, 52, 1071-1081.	0.7	4
77	Validated liquid chromatographic determination of a novel ACE inhibitor in the presence of its hydrolytic and oxidative degradation products as per ICH guidelines. Talanta, 2014, 119, 170-177.	2.9	2
78	Novel spectrophotometric methods for simultaneous determination of timolol and dorzolamide in their binary mixture. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 126, 197-207.	2.0	82
79	Two validated liquid chromatographic methods for the simultaneous determination of flumethasone pivalate, its related substance (flumethasone), and clioquinol. Journal of Planar Chromatography - Modern TLC, 2014, 27, 466-471.	0.6	5
80	Simultaneous determination of some cholesterol-lowering drugs in their binary mixture by novel spectrophotometric methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 113, 107-114.	2.0	72
81	Stability Indicating Spectrophotometric and Chemometric Methods for Determination of Buflomedil in Presence of its Acid Induced Degradation Products. Analytical Chemistry Letters, 2013, 3, 342-358.	0.4	3
82	Bivariate versus multivariate smart spectrophotometric calibration methods for the simultaneous determination of a quaternary mixture of mosapride, pantoprazole and their degradation products. Die Pharmazie, 2013, 68, 317-26.	0.3	4
83	Simultaneous determination of methocarbamol and its related substance (Guaifenesin) in two ternary mixtures with ibuprofen and diclofenac potassium by HPTLC spectrodensitometric method. Journal of Planar Chromatography - Modern TLC, 2012, 25, 150-155.	0.6	7
84	SIMULTANEOUS DETERMINATION OF METHOCARBAMOL AND ITS RELATED SUBSTANCE (GUAIFENESIN) IN TWO TERNARY MIXTURES WITH IBUPROFEN AND DICLOFENAC POTASSIUM BY RP-HPLC METHOD. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 2229-2242.	0.5	9
85	Simultaneous determination of methocarbamol and ibuprofen or diclofenac potassium using mean centering of the ratio spectra method. Acta Pharmaceutica, 2012, 62, 191-200.	0.9	11
86	Stabilityâ€indicating methods for the determination of mosapride citrate in the presence of its degradation products according to ICH guidelines. Drug Testing and Analysis, 2012, 4, 104-115.	1.6	6
87	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
88	Stability Indicating Spectrophotometric and Chemometric Methods for Determination of Nifuroxazide in Presence of Its Alkaline Degradation Products. Pharmaceutica Analytica Acta, 2011, 02, .	0.2	5
89	Stability-Indicating Chromatographic Methods for Simultaneous Determination of Mosapride and Pantoprazole in Pharmaceutical Dosage Form and Plasma Samples. Chromatographia, 2011, 74, 839-845.	0.7	7
90	Microsized Graphite Sensors for Potentiometric Determination of Metronidazole and Spiramycin. Portugaliae Electrochimica Acta, 2011, 29, 79-90.	0.4	7

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91	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
92	Simultaneous determination of metronidazole and spiramycin in bulk powder and in tablets using different spectrophotometric techniques. Drug Testing and Analysis, 2010, 2, n/a-n/a.	1.6	9
93	Quantitative determination of oxybutynin hydrochloride by spectrophotometry, chemometry and HPTLC in presence of its degradation product and additives in different pharmaceutical dosage forms. Talanta, 2010, 80, 2007-2015.	2.9	35
94	Validated stabilityâ€indicating TLC method for the determination of noscapine. Drug Testing and Analysis, 2009, 1, 327-338.	1.6	16
95	Simultaneous determination of metformin hydrochloride and pioglitazone hydrochloride in binary mixture and in their ternary mixture with pioglitazone acid degradate using spectrophotometric and chemometric methods. Drug Testing and Analysis, 2009, 1, 339-349.	1.6	31
96	UV-SPECTROPHOTOMETRIC STABILITY INDICATING METHODS FOR THE QUANTITATIVE DETERMINATION OF CIMETIDINE, FAMOTIDINE, AND RANITIDINE HYDROCHLORIDE IN THE PRESENCE OF THEIR OXIDATIVE DERIVATIVES. Analytical Letters, 2002, 35, 1055-1073.	1.0	12
97	DIFFERENT SPECTROPHOTOMETRIC METHODS FOR THE DETERMINATION OF CIMETIDINE, RANITIDINE HYDROCHLORIDE, AND FAMOTIDINE. Spectroscopy Letters, 2002, 35, 543-563.	0.5	18
98	Determination of Cimetidine, Famotidine, and Ranitidine Hydrochloride in the Presence of Their Sulfoxide Derivatives in Pure and Dosage Forms by High-Performance Thin-Layer Chromatography and Scanning Densitometry. Journal of AOAC INTERNATIONAL, 2002, 85, 1015-1020.	0.7	14
99	Selective Determination of Nicorandil with a Single Planar Solidâ€State Potentiometric Ion Selective Electrode. Electroanalysis, 0, , .	1.5	0