

Erdal Din

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

1,332

citations

22

h-index

33

g-index

87

ext. papers

1,444

ext. citations

2.8

avg, IF

4.74

L-index

#	Paper	IF	Citations
82	Comparative Study of the Quantitative Resolution of Paracetamol and Methocarbamol Mixture by Spectrophotometry with Wavelet Transform and UPLC Techniques. <i>Pharmaceutical Chemistry Journal</i> , 2022 , 55, 1126-1132	0.9	
81	Multiway resolution of spectrochromatographic measurements for the quantification of echinuline in marine-derived fungi <i>Aspergillus chevalieri</i> using parallel factor analysis.. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2022 , 1193, 123181	3.2	
80	A Novel Strategy on the Spectrochromatographic Analysis of a Quaternary Mixture by PARAFAC Model. <i>Biomedical Chromatography</i> , 2021 , e5295	1.7	
79	Simultaneous Determination of the Acid Dissociation Constants of Phenolics by Multivariate Analysis of pH and Ultraviolet-Visible Spectrophotometric Measurements. <i>Analytical Letters</i> , 2021 , 54, 2624-2637	2.2	0
78	PARAFAC and MCR-ALS approaches to the pKa determination of benzoic acid and its derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 248, 119253	4.4	1
77	A New Application of PARAFAC Model to UPLC Dataset for the Quantitative Resolution of a Tri-Component Drug Mixture. <i>Journal of Chromatographic Science</i> , 2021 , 59, 361-370	1.4	3
76	Continuous wavelet transforms and ultra performance liquid chromatography applied to the simultaneous quantitative determination of candesartan cilexetil and hydrochlorothiazide in tablets. <i>Monatshefte Für Chemie</i> , 2021 , 152, 1097-1106	1.4	2
75	Novel Three-Dimensional Resolution of a pH and Ultraviolet-Visible Absorption Spectral Dataset for the Determination of Desloratadine in a Pharmaceutical Product and Its Acid Dissociation Constant. <i>Analytical Letters</i> , 2020 , 53, 1871-1887	2.2	4
74	Four-way parallel factor analysis of voltammetric four-way dataset for monitoring the etoposide-DNA interaction with its binding constant determination. <i>Bioelectrochemistry</i> , 2020 , 134, 107525	5.6	5
73	Three-way analysis of pH-UV absorbance dataset for the determination of paracetamol and its pKa value in presence of excipients. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 230, 118049	4.4	8
72	A New Chemometric Strategy in Electrochemical Method Optimization for the Quantification of Cefdinir in Tablets, Effervescent Tablets and Suspension Samples. <i>Electroanalysis</i> , 2020 , 32, 613-619	3	4
71	New Voltammetric Approach to the Quantitation of Paracetamol in Tablets and Syrup using Chemometric Optimization Technique. <i>Journal of Analytical Chemistry</i> , 2019 , 74, 296-305	1.1	2
70	Spectrochromatographic determination of dorzolamide hydrochloride and timolol maleate in an ophthalmic solution using three-way analysis methods. <i>Talanta</i> , 2019 , 191, 248-256	6.2	7
69	A comparative application of two-way and three-way analysis to three-dimensional voltammetric dataset for the pKa determination of vanillin. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 826, 133-141	4.1	8
68	Three-way Resolution of the Overlapping Ultrahigh-performance Liquid Spectrochromatograms for the Analysis of a Quaternary Mixture Using Parallel Factor Analysis. <i>Analytical Letters</i> , 2018 , 51, 742-759	2.2	1
67	Wavelet Transform-Based UV Spectroscopy for Pharmaceutical Analysis. <i>Frontiers in Chemistry</i> , 2018 , 6, 503	5	9
66	A new UPLC approach for the quantitation of ephedrine and guaifenesin in a syrup formulation using multivariate optimization strategy. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017 , 40, 333-339	1.3	1

65	Multiway analysis methods applied to the fluorescence excitation-emission dataset for the simultaneous quantification of valsartan and amlodipine in tablets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 184, 255-261	4.4	6
64	A New UPLC Method with Chemometric Design-Optimization Approach for the Simultaneous Quantitation of Brimonidine Tartrate and Timolol Maleate in an Eye Drop Preparation. <i>Journal of Chromatographic Science</i> , 2017 , 55, 154-161	1.4	5
63	Simultaneous determination of ascorbic acid and caffeine in commercial soft drinks using reversed-phase ultraperformance liquid chromatography. <i>Journal of Food and Drug Analysis</i> , 2017 , 25, 285-292	7	33
62	A New UPLC Approach for the Simultaneous Quantitative Estimation of Four Compounds in a Cough Syrup Formulation. <i>Journal of Chromatographic Science</i> , 2016 , 54, 28-35	1.4	1
61	Two-way and three-way approaches to ultra high performance liquid chromatography-photodiode array dataset for the quantitative resolution of a two-component mixture containing ciprofloxacin and ornidazole. <i>Journal of Separation Science</i> , 2016 , 39, 3488-97	3.4	7
60	TiO ₂ modified carbon paste sensor for voltammetric analysis and chemometric optimization approach of amlodipine in commercial formulation. <i>Ionics</i> , 2016 , 22, 1231-1240	2.7	14
59	Quantitative Analysis of Melissa officinalis L. Samples by Chromatographic Multivariate Calibration Methods. <i>Chromatographia</i> , 2016 , 79, 189-198	2.1	1
58	A chemometric optimization of method for determination of nitrosamines in gastric juices by GC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 117, 26-36	3.5	9
57	Three-way analysis of the UPLC-PDA dataset for the multicomponent quantitation of hydrochlorothiazide and olmesartan medoxomil in tablets by parallel factor analysis and three-way partial least squares. <i>Talanta</i> , 2016 , 148, 144-52	6.2	11
56	Parallel factor analysis and trilinear partial least squares applied to the UPLC-PDA data array for the quantification of brimonidine tartrate and timolol maleate in an eye drop formulation. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016 , 39, 374-383	1.3	4
55	Chemometric approach to the optimisation of LC-FL and GC-MS methods for the determination of nitrite and nitrate in some biological, food and environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2016 , 96, 636-652	1.8	4
54	Ultra-Performance Liquid Chromatography for the Simultaneous Quantification of Rutin and Chlorogenic Acid in Leaves of Ribes L. Species by Conventional and Chemometric Calibration Approaches. <i>Journal of Chromatographic Science</i> , 2015 , 53, 1577-87	1.4	7
53	Electrochemical oxidation behavior of ezetimibe and its adsorptive stripping determination in pharmaceutical dosage forms and biological fluids. <i>Research on Chemical Intermediates</i> , 2015 , 41, 1803-1818	2.8	7
52	Application of continuous wavelet transform to the analysis of the modulus of the fractional Fourier transform bands for resolving two component mixture. <i>Signal, Image and Video Processing</i> , 2015 , 9, 801-807	1.6	3
51	Analysis of UV spectral bands using multidimensional scaling. <i>Signal, Image and Video Processing</i> , 2015 , 9, 573-580	1.6	5
50	A New RP-UPLC Method for Simultaneous Quantitative Estimation of Bisoprolol Hemifumarate and Hydrochlorothiazide in Tablets Using Experimental Design and Optimization. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2015 , 38, 970-976	1.3	7
49	New Voltammetric Approach to the Quantitative Estimation of Sildenafil Citrate in Tablets Using Disposable Pencil Graphite Electrode. <i>Sensor Letters</i> , 2014 , 12, 1675-1681	0.9	2
48	Determination of Acetaminophen in Commercial Formulations Using Silver Nanostructured Aniline Modified Pencil Graphite Electrode. <i>Journal of the Electrochemical Society</i> , 2013 , 160, B119-B124	3.9	10

47	Continuous wavelet transforms for the simultaneous quantitative analysis and dissolution testing of lamivudine-zidovudine tablets. <i>Chemical and Pharmaceutical Bulletin</i> , 2013 , 61, 1220-7	1.9	3
46	Fractional-continuous wavelet transforms and ultra-performance liquid chromatography for the multicomponent analysis of a ternary mixture containing thiamine, pyridoxine, and lidocaine in ampules. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 903-12	1.7	3
45	A new application of continuous wavelet transform to overlapping chromatograms for the quantitative analysis of amiloride hydrochloride and hydrochlorothiazide in tablets by ultra-performance liquid chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 751-6	1.7	3
44	Fractional Wavelet Transform-Continuous Wavelet Transform for the Quantification of Melatonin and Its Photodegradation Product. <i>Spectroscopy Letters</i> , 2012 , 45, 337-343	1.1	10
43	Simultaneous chemometric determination of pyridoxine hydrochloride and isoniazid in tablets by multivariate regression methods. <i>Drug Testing and Analysis</i> , 2010 , 2, 383-7	3.5	5
42	New HPLC-chemometric approaches to the analysis of isoflavones in <i>Trifolium lucanicum</i> Gasp. <i>Journal of Separation Science</i> , 2010 , 33, 2558-67	3.4	2
41	Multivariate analysis of paracetamol, propiphenazone, caffeine and thiamine in quaternary mixtures by PCR, PLS and ANN calibrations applied on wavelet transform data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 1471-5	3.5	29
40	Continuous wavelet and derivative transforms for the simultaneous quantitative analysis and dissolution test of levodopa-benserazide tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 44, 991-5	3.5	33
39	Comparative spectral analysis of veterinary powder product by continuous wavelet and derivative transforms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 68, 225-30	4.4	20
38	Determination of Anomalin and Deltoin in <i>Seseli resinosum</i> by LC Combined with Chemometric Methods. <i>Chromatographia</i> , 2007 , 66, 677-683	2.1	9
37	Chemometric Approach to Simultaneous Chromatographic Determination of Paracetamol and Chlorzoxazone in Tablets and Spiked Human Plasma. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 1803-1822	1.3	10
36	Chemometric determination of naproxen sodium and pseudoephedrine hydrochloride in tablets by HPLC. <i>Chemical and Pharmaceutical Bulletin</i> , 2006 , 54, 415-21	1.9	21
35	A new fractional wavelet approach for the simultaneous determination of ampicillin sodium and sulbactam sodium in a binary mixture. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 631-8	4.4	26
34	Fractional wavelet analysis for the simultaneous quantitative analysis of lacidipine and its photodegradation product by continuous wavelet transform and multilinear regression calibration. <i>Journal of AOAC INTERNATIONAL</i> , 2006 , 89, 1538-46	1.7	6
33	An application of derivative and continuous wavelet transforms to the overlapping ratio spectra for the quantitative multiresolution of a ternary mixture of paracetamol, acetylsalicylic acid and caffeine in tablets. <i>Talanta</i> , 2005 , 65, 36-47	6.2	40
32	Mathematical algorithms applied to the multi-linear regression functions for the multicomponent determination of pharmaceutical dosage form containing three-component mixtures. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 899-906	1.9	2
31	Comparative study of the continuous wavelet transform, derivative and partial least squares methods applied to the overlapping spectra for the simultaneous quantitative resolution of ascorbic acid and acetylsalicylic acid in effervescent tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005 , 37, 569-75	3.5	36
30	Linear regression analysis and its application to multivariate chromatographic calibration for the quantitative analysis of two-component mixtures. <i>Il Farmaco</i> , 2005 , 60, 591-7		10

29	New Liquid Chromatographic-Chemometric Approach for the Determination of Sunset Yellow and Tartrazine in Commercial Preparation. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 1748-1755	1.7	4
28	A New Application of Chemometric Techniques to HPLC Data for the Simultaneous Analysis of a Two-Component Mixture. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005 , 28, 2179-2194	1.7	12
27	New liquid chromatographic-chemometric approach for the determination of sunset yellow and tartrazine in commercial preparation. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 1748-55	1.7	
26	Application of the Wavelet Method for the Simultaneous Quantitative Determination of Benazepril and Hydrochlorothiazide in Their Mixtures. <i>Journal of AOAC INTERNATIONAL</i> , 2004 , 87, 834-841	1.7	37
25	Spectral Resolution of a Binary Mixture Containing Valsartan and Hydrochlorothiazide in Tablets by Ratio Spectra Derivative and Inverse Least Square Techniques. <i>Analytical Letters</i> , 2004 , 37, 679-693	2.2	16
24	Wavelet analysis for the multicomponent determination in a binary mixture of caffeine and propyphenazone in tablets. <i>Il Farmaco</i> , 2004 , 59, 335-42		9
23	Simultaneous spectrophotometric determination of pseudoephedrine hydrochloride and ibuprofen in a pharmaceutical preparation using ratio spectra derivative spectrophotometry and multivariate calibration techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 34, 473-83	3.5	62
22	Multicomponent quantitative resolution of binary mixtures by using continuous wavelet transform. <i>Journal of AOAC INTERNATIONAL</i> , 2004 , 87, 360-5	1.7	1
21	Application of the wavelet method for the simultaneous quantitative determination of benazepril and hydrochlorothiazide in their mixtures. <i>Journal of AOAC INTERNATIONAL</i> , 2004 , 87, 834-41	1.7	1
20	Spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods. <i>Il Farmaco</i> , 2003 , 58, 1151-61		22
19	A zero-crossing technique for the multidetermination of thiamine HCl and pyridoxine HCl in their mixture by using one-dimensional wavelet transform. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 31, 969-78	3.5	36
18	Simultaneous spectrophotometric determination of cyproterone acetate and estradiol valerate in pharmaceutical preparations by ratio spectra derivative and chemometric methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 32, 539-47	3.5	19
17	Linear regression analysis and its application to the multivariate spectral calibrations for the multiresolution of a ternary mixture of caffeine, paracetamol and metamizol in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 33, 605-15	3.5	18
16	An Approach to Quantitative Two-Component Analysis of a Mixture Containing Hydrochlorothiazide and Spironolactone in Tablets by One-Dimensional Continuous Daubechies and Biorthogonal Wavelet Analysis of UV-Spectra. <i>Spectroscopy Letters</i> , 2003 , 36, 341-355	1.1	35
15	Multidetermination of thiamine HCl and pyridoxine HCl in their mixture using continuous daubechies and biorthogonal wavelet analysis. <i>Talanta</i> , 2003 , 59, 707-17	6.2	31
14	Spectrophotometric multicomponent resolution of a veterinary formulation containing oxfendazole and oxytoclozanide by multivariate calibration-prediction techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 28, 779-88	3.5	8
13	Simultaneous spectrophotometric determination of chlorphenoxamine hydrochloride and caffeine in a pharmaceutical preparation using first derivative of the ratio spectra and chemometric methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 28, 591-600	3.5	33
12	Simultaneous spectrophotometric determination of mefenamic acid and paracetamol in a pharmaceutical preparation using ratio spectra derivative spectrophotometry and chemometric methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 28, 1091-100	3.5	81

11	Chemometric resolution of a mixture containing hydrochlorothiazide and amiloride by absorption and derivative spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 371-9	3.5	25
10	Spectrophotometric quantitative determination of cilazapril and hydrochlorothiazide in tablets by chemometric methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 30, 715-23	3.5	43
9	SIMULTANEOUS SPECTROPHOTOMETRIC ANALYSIS OF CODEINE PHOSPHATE, ACETYLSALICYLIC ACID, AND CAFFEINE IN TABLETS BY INVERSE LEAST-SQUARES AND PRINCIPAL COMPONENT REGRESSION TECHNIQUES. <i>Analytical Letters</i> , 2002 , 35, 545-558	2.2	12
8	SPECTRAL ANALYSIS OF BENAZEPRIL HYDROCHLORIDE AND HYDROCHLOROTHIAZIDE IN PHARMACEUTICAL FORMULATIONS BY THREE CHEMOMETRIC TECHNIQUES. <i>Analytical Letters</i> , 2002 , 35, 1021-1039	2.2	25
7	Spectrophotometric multicomponent determination of sunset yellow, tartrazine and allura red in soft drink powder by double divisor-ratio spectra derivative, inverse least-squares and principal component regression methods. <i>Talanta</i> , 2002 , 58, 579-94	6.2	138
6	Derivative ratio spectra-zero crossing spectrophotometry and LC method applied to the quantitative determination of paracetamol, propyphenazone and caffeine in ternary mixtures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2001 , 26, 769-78	3.5	39
5	CHEMOMETRIC QUANTITATIVE ANALYSIS OF PYRIDOXINE HCl AND THIAMINE HCl IN A VITAMIN COMBINATION BY PRINCIPAL COMPONENT ANALYSIS, CLASSICAL LEAST SQUARES, AND INVERSE LEAST SQUARES TECHNIQUES. <i>Spectroscopy Letters</i> , 2001 , 34, 279-288	1.1	29
4	A comparative study of the ratio spectra derivative spectrophotometry, Vierordt's method and high-performance liquid chromatography applied to the simultaneous analysis of caffeine and paracetamol in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 21, 723-30	3.5	42
3	The spectrophotometric multicomponent analysis of a ternary mixture of ascorbic acid, acetylsalicylic acid and paracetamol by the double divisor-ratio spectra derivative and ratio spectra-zero crossing methods. <i>Talanta</i> , 1999 , 48, 1145-57	6.2	74
2	Influence of swelling degree on release of nicardipine hydrochloride from acrylic microspheres prepared by solvent evaporation method. <i>Pharmaceutical Development and Technology</i> , 1998 , 3, 115-21	3.4	11
1	Simultaneous Determination of Caffeine and Meclizine Dihydrochloride in Sugar-Coated Tablets. <i>Analytical Letters</i> , 1995 , 28, 2521-2534	2.2	9