

Erdal DinÃ§

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/634511/publications.pdf>

Version: 2024-02-01

87
papers

1,651
citations

257101

24
h-index

329751

37
g-index

87
all docs

87
docs citations

87
times ranked

1072
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 579-594.	2.9	159
2	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, 1091-1100.	1.4	96
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, 1145-1157.	2.9	87
4	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, 473-483.	1.4	67
5	Spectrophotometric quantitative determination of cilazapril and hydrochlorothiazide in tablets by chemometric methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 30, 715-723.	1.4	52
6	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> , 2004, 65, 36-47.	2.9	50
7	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, 723-730.	1.4	47
8	Derivative ratio spectra's 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, 769-778.	1.4	45
9	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.	0.9	45
10	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.	0.7	43
11	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.	0.5	42
12	Continuous wavelet and derivative transforms for the simultaneous quantitative analysis and dissolution test of levodopa's benserazide tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 44, 991-995.	1.4	42
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.	1.4	40
14	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, 569-575.	1.4	40
15	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, 969-978.	1.4	39
16	Multidetermination of thiamine HCl and pyridoxine HCl in their mixture using continuous daubechies and biorthogonal wavelet analysis. <i>Talanta</i> , 2003, 59, 707-717.	2.9	39
17	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, 1471-1475.	1.4	34
18	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, 631-638.	2.0	31

#	ARTICLE	IF	CITATIONS
19	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.	0.5	30
20	Chemometric Determination of Naproxen Sodium and Pseudoephedrine Hydrochloride in Tablets by HPLC. <i>Chemical and Pharmaceutical Bulletin</i> , 2006, 54, 415-421.	0.6	29
21	Chemometric resolution of a mixture containing hydrochlorothiazide and amiloride by absorption and derivative spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 371-379.	1.4	27
22	SPECTRAL ANALYSIS OF BENAZEPRIL HYDROCHLORIDE AND HYDROCHLOROTHIAZIDE IN PHARMACEUTICAL FORMULATIONS BY THREE CHEMOMETRIC TECHNIQUES. <i>Analytical Letters</i> , 2002, 35, 1021-1039.	1.0	26
23	Spectrophotometric quantitative resolution of hydrochlorothiazide and spironolactone in tablets by chemometric analysis methods. <i>Il Farmaco</i> , 2003, 58, 1151-1161.	0.9	26
24	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, 605-615.	1.4	25
25	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, 225-230.	2.0	22
26	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, 539-547.	1.4	21
27	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.	2.0	20
28	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.	1.2	18
29	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.	1.0	16
30	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, 115-121.	1.1	15
31	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.	1.4	15
32	Wavelet Transform-Based UV Spectroscopy for Pharmaceutical Analysis. <i>Frontiers in Chemistry</i> , 2018, 6, 503.	1.8	15
33	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.	1.9	15
34	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.	1.0	14
35	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.	0.5	14
36	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.	0.5	14

#	ARTICLE	IF	CITATIONS
37	Determination of Anomalin and Deltoin in Seseli resinosum by LC Combined with Chemometric Methods. <i>Chromatographia</i> , 2007, 66, 677-683.	0.7	12
38	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.	1.3	12
39	Spectrophotometric multicomponent resolution of a veterinary formulation containing oxfendazole and oxyclozanide by multivariate calibrationâ€“prediction techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 28, 779-788.	1.4	11
40	Three-way analysis of the UPLCâ€“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, 144-152.	2.9	11
41	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.	2.0	11
42	Wavelet analysis for the multicomponent determination in a binary mixture of caffeine and propyphenazone in tablets. <i>Il Farmaco</i> , 2004, 59, 335-342.	0.9	10
43	Linear regression analysis and its application to multivariate chromatographic calibration for the quantitative analysis of two-component mixtures. <i>Il Farmaco</i> , 2005, 60, 591-597.	0.9	10
44	Fractional Wavelet Transformâ€“Continuous Wavelet Transform for the Quantification of Melatonin and Its Photodegradation Product. <i>Spectroscopy Letters</i> , 2012, 45, 337-343.	0.5	10
45	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.	1.3	10
46	Twoâ€“way and threeâ€“way approaches to ultra high performance liquid chromatographyâ€“photodiode array dataset for the quantitative resolution of a twoâ€“component mixture containing ciprofloxacin and ornidazole. <i>Journal of Separation Science</i> , 2016, 39, 3488-3497.	1.3	10
47	Spectrochromatographic determination of dorzolamide hydrochloride and timolol maleate in an ophthalmic solution using three-way analysis methods. <i>Talanta</i> , 2019, 191, 248-256.	2.9	10
48	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.	2.4	10
49	Three-Way Analysis-Based pH-UV-Vis Spectroscopy for Quantifying Allura Red in An Energy Drink and Determining Colorant's pKa. <i>Journal of Food and Drug Analysis</i> , 2021, 29, 76-86.	0.9	10
50	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.	0.7	10
51	Simultaneous Determination of Caffeine and Meclizine Dihydrochloride in Sugar-Coated Tablets. <i>Analytical Letters</i> , 1995, 28, 2521-2534.	1.0	9
52	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.	1.0	9
53	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.	2.0	9
54	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.	0.5	7

#	ARTICLE	IF	CITATIONS
55	Ultra-Performance Liquid Chromatography for the Simultaneous Quantification of Rutin and Chlorogenic Acid in Leaves of <i>Ribes</i> L. Species by Conventional and Chemometric Calibration Approaches. <i>Journal of Chromatographic Science</i> , 2015, 53, 1577-1587.	0.7	7
56	A New UPLC Method with Chemometric Designâ€“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.	0.7	7
57	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.	0.7	7
58	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.	1.0	7
59	Simultaneous chemometric determination of pyridoxine hydrochloride and isoniazid in tablets by multivariate regression methods. <i>Drug Testing and Analysis</i> , 2010, 2, 383-387.	1.6	6
60	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, 751-756.	0.7	6
61	Continuous wavelet transforms and ultra performance liquid chromatography applied to the simultaneous quantitative determination of candesartan cilexetil and hydrochlorothiazide in tablets. <i>Monatshefte FÄ¼r Chemie</i> , 2021, 152, 1097-1106.	0.9	6
62	Analysis of UV spectral bands using multidimensional scaling. <i>Signal, Image and Video Processing</i> , 2015, 9, 573-580.	1.7	5
63	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.	0.5	5
64	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	5
65	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.	1.5	5
66	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.	0.7	4
67	Continuous Wavelet Transforms for the Simultaneous Quantitative Analysis and Dissolution Testing of Lamivudineâ€“Zidovudine Tablets. <i>Chemical and Pharmaceutical Bulletin</i> , 2013, 61, 1220-1227.	0.6	4
68	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.	0.4	4
69	New HPLC-chemometric approaches to the analysis of isoflavones in <i>Trifolium lucanicum</i> Gasp.. <i>Journal of Separation Science</i> , 2010, 33, 2558-2567.	1.3	3
70	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, 903-912.	0.7	3
71	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.	1.7	3
72	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.	1.0	3

#	ARTICLE	IF	CITATIONS
73	Multicomponent quantitative resolution of binary mixtures by using continuous wavelet transform. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 360-5.	0.7	3
74	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.	1.2	3
75	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.	0.6	2
76	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.	0.5	2
77	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.	0.4	2
78	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.	0.7	2
79	Square wave voltammetric pKa determination of aspirin using multi-way data analysis models. <i>Chemical Papers</i> , 2022, 76, 5389-5397.	1.0	2
80	New spectral approaches to the simultaneous quantitative resolution of a combined veterinary formulation by ANN and PCA-ANN methods. <i>Reviews in Analytical Chemistry</i> , 2011, 30, .	1.5	1
81	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, bmv102.	0.7	1
82	Quantitative Analysis of <i>Melissa officinalis</i> L. Samples by Chromatographic Multivariate Calibration Methods. <i>Chromatographia</i> , 2016, 79, 189-198.	0.7	1
83	Two Different Strategies Based on Three-Way Analysis Models of UV Spectroscopic and Spectrochromatographic Measurements to Quantify the Acidity Constant of Acetylsalicylic Acid. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
84	A Chemometric Strategy in the Development of a RP-UPLC Method for the Quantitative Resolution of a Two-Component Syrup Formulation. <i>Journal of Chromatographic Science</i> , 2022, , .	0.7	0
85	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.	0.3	0
86	A novel strategy on the spectrochromatographic analysis of a quaternary mixture by parallel factor analysis model. <i>Biomedical Chromatography</i> , 2022, 36, e5295.	0.8	0
87	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.	0.7	0