

Anna de Juan

List of Publications by Year in descending order

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150
papers

8,676
citations

61945

43
h-index

46771

89
g-index

159
all docs

159
docs citations

159
times ranked

6111
citing authors

#	ARTICLE	IF	CITATIONS
1	Data fusion of LIBS and PIL hyperspectral imaging: Understanding the luminescence phenomenon of a complex mineral sample. <i>Analytica Chimica Acta</i> , 2022, 1192, 339368.	2.6	15
2	Synchronization-Free Multivariate Statistical Process Control for Online Monitoring of Batch Process Evolution. <i>Frontiers in Analytical Science</i> , 2022, 1, .	1.1	0
3	Effect of physicochemical factors and use of milk powder on milk rennet-coagulation: Process understanding by near infrared spectroscopy and chemometrics. <i>Food Control</i> , 2021, 119, 107494.	2.8	10
4	Acid recovery from copper metallurgical process streams polluted with arsenic by diffusion dialysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104692.	3.3	9
5	Multivariate Curve Resolution: 50 years addressing the mixture analysis problem – A review. <i>Analytica Chimica Acta</i> , 2021, 1145, 59-78.	2.6	116
6	Acid number, viscosity and end-point detection in a multiphase high temperature polymerisation process using an online miniaturised MEMS Fabry-Pérot interferometer. <i>Talanta</i> , 2021, 224, 121735.	2.9	4
7	Autofluorescence of stingray skeletal cartilage: hyperspectral imaging as a tool for histological characterization. <i>Discover Materials</i> , 2021, 1, 1.	1.0	0
8	Anna de Juan, an internationally recognized researcher on Chemometrics, spoke to BrJAC. <i>Brazilian Journal of Analytical Chemistry</i> , 2021, 8, 6-12.	0.3	0
9	Multivariate Curve Resolution Slicing of Multiexponential Time-Resolved Spectroscopy Fluorescence Data. <i>Analytical Chemistry</i> , 2021, 93, 12504-12513.	3.2	9
10	Linear unmixing protocol for hyperspectral image fusion analysis applied to a case study of vegetal tissues. <i>Scientific Reports</i> , 2021, 11, 18665.	1.6	4
11	SWiVIA – Sliding window variographic image analysis for real-time assessment of heterogeneity indices in blending processes monitored with hyperspectral imaging. <i>Analytica Chimica Acta</i> , 2021, 1180, 338852.	2.6	5
12	MALDI imaging mass spectrometry and chemometric tools to discriminate highly similar colorectal cancer tissues. <i>Talanta</i> , 2020, 208, 120455.	2.9	14
13	A perspective on modeling evolution. <i>Journal of Chemometrics</i> , 2020, 34, e3205.	0.7	2
14	Multiset Data Analysis: Extended Multivariate Curve Resolution. , 2020, , 305-336.		10
15	Two-Way Data Analysis: Evolving Factor Analysis. , 2020, , 95-106.		0
16	Introduction to Linear Soft-Modeling. , 2020, , 1-2.		0
17	Introduction to Multivariate Curve Resolution. , 2020, , 85-94.		5
18	Design of Heterogeneity Indices for Blending Quality Assessment Based on Hyperspectral Images and Variographic Analysis. <i>Analytical Chemistry</i> , 2020, 92, 15880-15889.	3.2	6

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19	3D and 4D Image Fusion: Coping with Differences in Spectroscopic Modes among Hyperspectral Images. <i>Analytical Chemistry</i> , 2020, 92, 9591-9602.	3.2	11
20	Process Monitoring of Moisture Content and Mass Transfer Rate in a Fluidised Bed with a Low Cost Inline MEMS NIR Sensor. <i>Pharmaceutical Research</i> , 2020, 37, 84.	1.7	19
21	Data fusion strategies to combine sensor and multivariate model outputs for multivariate statistical process control. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2151-2163.	1.9	22
22	Study of conformational transitions of i-motif DNA using time-resolved fluorescence and multivariate analysis methods. <i>Nucleic Acids Research</i> , 2019, 47, 6590-6605.	6.5	18
23	Use of physiological information based on grayscale images to improve mass spectrometry imaging data analysis from biological tissues. <i>Analytica Chimica Acta</i> , 2019, 1074, 69-79.	2.6	5
24	Data Fusion by Multivariate Curve Resolution. <i>Data Handling in Science and Technology</i> , 2019, , 205-233.	3.1	11
25	Image Fusion. <i>Data Handling in Science and Technology</i> , 2019, , 311-344.	3.1	8
26	Two-Way Data Analysis: Multivariate Curve Resolution, Iterative Methods. , 2019, , 153-171.		3
27	Assessment of tissue-specific multifactor effects in environmental "omics studies of heterogeneous biological samples: Combining hyperspectral image information and chemometrics. <i>Talanta</i> , 2019, 194, 390-398.	2.9	10
28	Understanding the Formation of Heartwood in Larch Using Synchrotron Infrared Imaging Combined With Multivariate Analysis and Atomic Force Microscope Infrared Spectroscopy. <i>Frontiers in Plant Science</i> , 2019, 10, 1701.	1.7	26
29	Multivariate curve resolution for hyperspectral image analysis. <i>Data Handling in Science and Technology</i> , 2019, 32, 115-150.	3.1	17
30	Handling Different Spatial Resolutions in Image Fusion by Multivariate Curve Resolution-Alternating Least Squares for Incomplete Image Multisets. <i>Analytical Chemistry</i> , 2018, 90, 6757-6765.	3.2	31
31	Systematic comparison and potential combination between multivariate curve resolution "alternating least squares (<sc>MCR-ALS</sc>) and band-target entropy minimization (<sc>BTEM</sc>). <i>Journal of Chemometrics</i> , 2018, 32, e3000.	0.7	4
32	Hyperspectral image analysis. When space meets Chemistry. <i>Journal of Chemometrics</i> , 2018, 32, e2985.	0.7	8
33	Unravelling the Metabolic Progression of Breast Cancer Cells to Bone Metastasis by Coupling Raman Spectroscopy and a Novel Use of MCR-ALS Algorithm. <i>Analytical Chemistry</i> , 2018, 90, 5594-5602.	3.2	27
34	Application of a sparseness constraint in multivariate curve resolution " Alternating least squares. <i>Analytica Chimica Acta</i> , 2018, 1000, 100-108.	2.6	32
35	Preprocessing Tools Applied to Improve the Assessment of Aldrin Effects on Prostate Cancer Cells Using Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2018, 72, 489-500.	1.2	8
36	Combining hyperspectral imaging and chemometrics to assess and interpret the effects of environmental stressors on zebrafish eye images at tissue level. <i>Journal of Biophotonics</i> , 2018, 11, e201700089.	1.1	8

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37	Factor Analysis/Multivariate Curve Resolution. , 2018, , .		0
38	Study of light-induced formation of photodimers in the i-motif nucleic acid structure by rapid-scan FTIR difference spectroscopy and hybrid hard- and soft-modelling. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19635-19646.	1.3	3
39	Multivariate unmixing approaches on Raman images of plant cell walls: new insights or overinterpretation of results?. <i>Plant Methods</i> , 2018, 14, 52.	1.9	43
40	Confocal Raman imaging and chemometrics applied to solve forensic document examination involving crossed lines and obliteration cases by a depth profiling study. <i>Analyst, The</i> , 2017, 142, 1106-1118.	1.7	30
41	i-motif structures in long cytosine-rich sequences found upstream of the promoter region of the SMARCA4 gene. <i>Biochimie</i> , 2017, 140, 20-33.	1.3	14
42	A new matching image preprocessing for image data fusion. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 164, 32-42.	1.8	22
43	Relevant aspects of unmixing/resolution analysis for the interpretation of biological vibrational hyperspectral images. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 94, 130-140.	5.8	32
44	Process modeling and control applied to real-time monitoring of distillation processes by near-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2017, 985, 41-53.	2.6	16
45	NIR Monitoring and Modelling of Soybean Oil Methanolysis with Multivariate Curve Resolution-Alternating Least Squares with Correlation Constraint. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	1
46	Multivariate Curve Resolution-Alternating Least Squares for Spectroscopic Data. <i>Data Handling in Science and Technology</i> , 2016, 30, 5-51.	3.1	37
47	New strategy to identify radicals in a time evolving EPR data set by multivariate curve resolution-alternating least squares. <i>Analytica Chimica Acta</i> , 2016, 947, 9-15.	2.6	3
48	Local rank-based spatial information for improvement of remote sensing hyperspectral imaging resolution. <i>Talanta</i> , 2016, 146, 1-9.	2.9	12
49	Multivariate Curve Resolution Applied to Hyperspectral Imaging Analysis of Chocolate Samples. <i>Applied Spectroscopy</i> , 2015, 69, 993-1003.	1.2	27
50	Multivariate Curve Resolution for Quantitative Analysis. <i>Data Handling in Science and Technology</i> , 2015, 29, 247-292.	3.1	30
51	Elucidation of the primary ultrafast steps in photo-switchable systems using chemometric analysis. , 2015, , .		0
52	Vibrational spectroscopic image analysis of biological material using multivariate curve resolutionâ€‘alternating least squares (MCR-ALS). <i>Nature Protocols</i> , 2015, 10, 217-240.	5.5	248
53	Study of time-dependent structural changes of laponite colloidal system by means of near-infrared spectroscopy and hybrid hard- and soft-modelling multivariate curve resolutionâ€‘alternating least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 142, 285-292.	1.8	11
54	Use of Raman spectroscopy and chemometrics to distinguish blue ballpoint pen inks. <i>Forensic Science International</i> , 2015, 249, 73-82.	1.3	53

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55	Extraction of Pure Spectral Signatures and Corresponding Chemical Maps from EPR Imaging Data Sets: Identifying Defects on a CaF ₂ Surface Due to a Laser Beam Exposure. <i>Analytical Chemistry</i> , 2015, 87, 3929-3935.	3.2	8
56	Combining multiset resolution and segmentation for hyperspectral image analysis of biological tissues. <i>Analytica Chimica Acta</i> , 2015, 881, 24-36.	2.6	40
57	Multivariate Curve Resolution: A Different Way To Examine Chemical Data. <i>ACS Symposium Series</i> , 2015, , 95-128.	0.5	14
58	Setting local rank constraints by orthogonal projections for image resolution analysis: Application to the determination of a low dose pharmaceutical compound. <i>Analytica Chimica Acta</i> , 2015, 892, 49-58.	2.6	3
59	MCR-ALS GUI 2.0: New features and applications. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 140, 1-12.	1.8	611
60	Distribution of a low dose compound within pharmaceutical tablet by using multivariate curve resolution on Raman hyperspectral images. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 103, 35-43.	1.4	31
61	Application of correlation constrained multivariate curve resolution alternating least-squares methods for determination of compounds of interest in biodiesel blends using NIR and UV-visible spectroscopic data. <i>Talanta</i> , 2014, 125, 233-241.	2.9	58
62	Comparison of second-order multivariate methods for screening and determination of PAHs by total fluorescence spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 132, 63-74.	1.8	33
63	Multivariate Curve Resolution (MCR). Solving the mixture analysis problem. <i>Analytical Methods</i> , 2014, 6, 4964-4976.	1.3	469
64	Chemometric determination of PAHs in aerosol samples by fluorescence spectroscopy and second-order data analysis algorithms. <i>Journal of Chemometrics</i> , 2014, 28, 260-271.	0.7	22
65	Modeling strategies for pharmaceutical blend monitoring and end-point determination by near-infrared spectroscopy. <i>International Journal of Pharmaceutics</i> , 2014, 473, 219-231.	2.6	31
66	New chemometric approach MCR-ALS to unmix EPR spectroscopic data from complex mixtures. <i>Journal of Magnetic Resonance</i> , 2014, 248, 27-35.	1.2	11
67	Monitoring polymorphic transformations by using in situ Raman hyperspectral imaging and image multiset analysis. <i>Analytica Chimica Acta</i> , 2014, 819, 15-25.	2.6	63
68	Screening and quantification of proteinaceous binders in medieval paints based on 1/4-Fourier transform infrared spectroscopy and multivariate curve resolution alternating least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 134, 148-157.	1.8	20
69	Determination of phenolic compounds and authentication of PDO Lambrusco wines by HPLC-DAD and chemometric techniques. <i>Analytica Chimica Acta</i> , 2013, 761, 34-45.	2.6	44
70	High-throughput carotenoid profiling using multivariate curve resolution. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5075-5086.	1.9	20
71	Blending process modeling and control by multivariate curve resolution. <i>Talanta</i> , 2013, 117, 492-504.	2.9	34
72	Quantification of paracetamol through tablet blister packages by Raman spectroscopy and multivariate curve resolution-alternating least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 125, 58-66.	1.8	50

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73	Chemometric Strategies To Unmix Information and Increase the Spatial Description of Hyperspectral Images: A Single-Cell Case Study. <i>Analytical Chemistry</i> , 2013, 85, 6303-6311.	3.2	43
74	Multivariate curve resolution "Alternating least squares applied to the investigation of ultrafast competitive photoreactions. <i>Analytica Chimica Acta</i> , 2013, 788, 8-16.	2.6	17
75	Multivariate Curve Resolution Methods for Food Chemistry. <i>Data Handling in Science and Technology</i> , 2013, 28, 235-263.	3.1	4
76	Study of the photodegradation of 2-bromophenol under UV and sunlight by spectroscopic, chromatographic and chemometric techniques. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 910, 138-148.	1.2	20
77	Relevant aspects of quantification and sample heterogeneity in hyperspectral image resolution. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 117, 169-182.	1.8	70
78	ICRM-2011 international chemometrics research meeting. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 111, 66.	1.8	10
79	Evaluation of the adsorption and rate constants of a photocatalytic degradation by means of HS-MCR-ALS. Study of process variables using experimental design. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 114, 64-71.	1.8	18
80	Comprehensive data analysis of femtosecond transient absorption spectra: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2012, 13, 1-27.	5.6	268
81	ICRM-2011 International Chemometrics Research Meeting. <i>Journal of Chemometrics</i> , 2012, 26, 40-40.	0.7	1
82	Resolution and segmentation of hyperspectral biomedical images by Multivariate Curve Resolution-Alternating Least Squares. <i>Analytica Chimica Acta</i> , 2011, 705, 182-192.	2.6	100
83	Comprehensive description of the photodegradation of bromophenols using chromatographic monitoring and chemometric tools. <i>Talanta</i> , 2011, 83, 1134-1146.	2.9	18
84	Chromatographic and spectroscopic data fusion analysis for interpretation of photodegradation processes. <i>Journal of Chromatography A</i> , 2011, 1218, 9260-9268.	1.8	42
85	Ubiquinol formation in isolated photosynthetic reaction centres monitored by time-resolved differential FTIR in combination with 2D correlation spectroscopy and multivariate curve resolution. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1999-2014.	1.9	22
86	Hybrid hard- and soft-modeling approach for the resolution of convoluted femtosecond spectrokinetic data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 105, 74-82.	1.8	23
87	Multivariate image analysis: A review with applications. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 107, 1-23.	1.8	250
88	Application of chemometric methods to environmental analysis of organic pollutants: A review. <i>Talanta</i> , 2010, 80, 1052-1067.	2.9	119
89	Experimental monitoring and data analysis tools for protein folding. <i>Analytica Chimica Acta</i> , 2009, 632, 52-62.	2.6	16
90	Chemometrics description of measurement error structure: Study of an ultrafast absorption spectroscopy experiment. <i>Analytica Chimica Acta</i> , 2009, 642, 19-26.	2.6	26

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91	CAC 2008. <i>Analytica Chimica Acta</i> , 2009, 642, 1-2.	2.6	0
92	Monitoring and Interpretation of Photoinduced Biochemical Processes by Rapid-Scan FTIR Difference Spectroscopy and Hybrid Hard and Soft Modeling. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6031-6040.	1.2	27
93	Linear Soft-Modeling: Introduction. , 2009, , 207-210.		3
94	Two-Way Data Analysis: Evolving Factor Analysis. , 2009, , 261-274.		12
95	Multiset Data Analysis: Extended Multivariate Curve Resolution. , 2009, , 473-505.		64
96	Introduction to Multivariate Curve Resolution. , 2009, , 249-259.		33
97	Two-Way Data Analysis: Multivariate Curve Resolution â€œ Iterative Resolution Methods. , 2009, , 325-344.		32
98	Photodegradation study of decabromodiphenyl ether by UV spectrophotometry and a hybrid hard- and soft-modelling approach. <i>Analytica Chimica Acta</i> , 2008, 618, 18-28.	2.6	69
99	Use of local rankâ€‘based spatial information for resolution of spectroscopic images. <i>Journal of Chemometrics</i> , 2008, 22, 291-298.	0.7	81
100	Focus on the potential of hybrid hardâ€‘and softâ€‘MCRâ€‘ALS in time resolved spectroscopy. <i>Journal of Chemometrics</i> , 2008, 22, 666-673.	0.7	20
101	Multivariate Soft-Modeling To Predict Radiocesium Soil-to-Plant Transfer. <i>Environmental Science & Technology</i> , 2008, 42, 4029-4036.	4.6	15
102	Comprehensive liquid chromatographyâ€‘ion-spray tandem mass spectrometry method for the identification and quantification of eight hydroxylated brominated diphenyl ethers in environmental matrices. <i>Journal of Mass Spectrometry</i> , 2007, 42, 890-899.	0.7	49
103	Hybrid hard- and soft-modeling applied to difference spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 89, 26-35.	1.8	51
104	Factor analysis of hyphenated chromatographic data. <i>Journal of Chromatography A</i> , 2007, 1158, 184-195.	1.8	85
105	pH- and time-dependent hemoglobin transitions: A case study for process modelling. <i>Analytica Chimica Acta</i> , 2007, 595, 198-208.	2.6	44
106	Multivariate curve resolution of rapid-scan FTIR difference spectra of quinone photoreduction in bacterial photosynthetic membranes. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1863-1873.	1.9	31
107	Multivariate Curve Resolution (MCR) from 2000: Progress in Concepts and Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2006, 36, 163-176.	1.8	573
108	Monitoring and Modeling of Protein Processes Using Mass Spectrometry, Circular Dichroism, and Multivariate Curve Resolution Methods. <i>Analytical Chemistry</i> , 2006, 78, 4768-4778.	3.2	41

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109	Multivariate Curve Resolution. , 2006, , 417-474.		17
110	Chemometric tools for classification and elucidation of protein secondary structure from infrared and circular dichroism spectroscopic measurements. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 527-541.	1.5	52
111	A mixed hard- and soft-modelling approach to study and monitor enzymatic systems in biological fluids. <i>Analytica Chimica Acta</i> , 2006, 567, 245-254.	2.6	55
112	A mixed hard- and soft-modelling approach for the quantitative determination of oxipurines and uric acid in human urine. <i>Analytica Chimica Acta</i> , 2006, 567, 236-244.	2.6	49
113	Matrix augmentation for breaking rank-deficiency: A case study. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 80, 209-214.	1.8	37
114	Comparison of PARAFAC2 and MCR-ALS for resolution of an analytical liquid dilution system. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 83, 13-25.	1.8	38
115	Multi-way analysis for investigation of industrial pectin using an analytical liquid dilution system. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 84, 9-20.	1.8	6
116	Chemometric strategies for the study of the complexation of Al(III) ions with model molecule of humic substances from UV-vis data sets. <i>Analytica Chimica Acta</i> , 2005, 544, 337-344.	2.6	22
117	Application of multivariate curve resolution to the temperature-induced unfolding of β -chymotrypsin. <i>Analytica Chimica Acta</i> , 2005, 544, 159-166.	2.6	24
118	Local rank analysis for exploratory spectroscopic image analysis. Fixed Size Image Window-Evolving Factor Analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 77, 64-74.	1.8	64
119	A graphical user-friendly interface for MCR-ALS: a new tool for multivariate curve resolution in MATLAB. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 76, 101-110.	1.8	964
120	Application of the local regression method interval partial least-squares to the elucidation of protein secondary structure. <i>Analytical Biochemistry</i> , 2005, 336, 231-242.	1.1	48
121	Spectroscopic imaging and chemometrics: a powerful combination for global and local sample analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 70-79.	5.8	171
122	Local rank exploratory analysis of evolving rank-deficient systems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004, 70, 11-21.	1.8	50
123	Chemometrics applied to unravel multicomponent processes and mixtures. <i>Analytica Chimica Acta</i> , 2003, 500, 195-210.	2.6	484
124	Modeling Temperature-Dependent Protein Structural Transitions by Combined Near-IR and Mid-IR Spectroscopies and Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 2003, 75, 5592-5601.	3.2	94
125	Application of a Combination of Hard and Soft Modeling for Equilibrium Systems to the Quantitative Analysis of pH-Modulated Mixture Samples. <i>Analytical Chemistry</i> , 2003, 75, 641-647.	3.2	90
126	Detection and Resolution of Intermediate Species in Protein Folding Processes Using Fluorescence and Circular Dichroism Spectroscopies and Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 2002, 74, 6031-6039.	3.2	73

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127	Quantitation of Mixtures of Diprotic Organic Acids by FT-IR Flow Titrations and Multivariate Curve Resolution. <i>Applied Spectroscopy</i> , 2002, 56, 40-50.	1.2	33
128	Characterization of the Polarity of Reversed-Phase Liquid Chromatographic Stationary Phases in the Presence of 1-Propanol Using Solvatochromism and Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 2001, 73, 290-297.	3.2	9
129	Comparison of three-way resolution methods for non-trilinear chemical data sets. <i>Journal of Chemometrics</i> , 2001, 15, 749-771.	0.7	167
130	Three-way data analysis applied to multispectroscopic monitoring of protein folding. <i>Analytica Chimica Acta</i> , 2001, 446, 185-195.	2.6	54
131	Application of a novel resolution approach combining soft- and hard-modelling features to investigate temperature-dependent kinetic processes. <i>Analytica Chimica Acta</i> , 2001, 442, 337-350.	2.6	86
132	Combining hard- and soft-modelling to solve kinetic problems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 54, 123-141.	1.8	287
133	Determination of the End Point of a Chemical Synthesis Process Using On-Line Measured Mid-Infrared Spectra. <i>Applied Spectroscopy</i> , 2000, 54, 601-607.	1.2	20
134	Characterization of Methanol~Water and Acetonitrile~Water Association Using Multivariate Curve Resolution Methods. <i>Analytical Chemistry</i> , 2000, 72, 1956-1963.	3.2	46
135	Determination of a mixture of gamma-emitting radionuclides using solid scintillation detectors and multivariate calibration. <i>Analytica Chimica Acta</i> , 1999, 379, 121-133.	2.6	7
136	Purity assessment and resolution of tetracycline hydrochloride samples analysed using high-performance liquid chromatography with diode array detection. <i>Journal of Chromatography A</i> , 1999, 832, 67-86.	1.8	54
137	Three-way data analysis of pollutant degradation profiles monitored using liquid chromatography-diode array detection. <i>Journal of Chemometrics</i> , 1999, 13, 331-341.	0.7	26
138	Characterization of Reversed-Phase Liquid Chromatographic Stationary Phases Using Solvatochromism and Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 1999, 71, 5225-5234.	3.2	29
139	Comparison between the direct trilinear decomposition and the multivariate curve resolution-alternating least squares methods for the resolution of three-way data sets. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998, 40, 19-32.	1.8	82
140	A soft-modeling approach to interpret thermodynamic and conformational transitions of polynucleotides. <i>Biophysical Journal</i> , 1997, 73, 2937-2948.	0.2	34
141	Solvent classification based on solvatochromic parameters: a comparison with the Snyder approach. <i>TrAC - Trends in Analytical Chemistry</i> , 1997, 16, 52-62.	5.8	50
142	Three-Way Curve Resolution Applied to the Study of Solvent Effect on the Thermodynamic and Conformational Transitions Related to the Protonation of Polycytidylic Acid. <i>Analytical Biochemistry</i> , 1997, 249, 174-183.	1.1	8
143	Assessment of new constraints applied to the alternating least squares method. <i>Analytica Chimica Acta</i> , 1997, 346, 307-318.	2.6	184
144	A Soft-Modelling Approach to Interpret PH-Dependent Thermodynamical and Conformational Transitions of Polynucleotides. , 1997, , 247-248.		0

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145	Application of a self-modeling curve resolution approach to the study of solvent effects on the acid-base and copper(II)-complexing behavior of polyuridylic acid. <i>Journal of Inorganic Biochemistry</i> , 1996, 63, 155-173.	1.5	7
146	Application of the needle algorithm for exploratory analysis and resolution of HPLC-DAD data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1996, 33, 133-145.	1.8	44
147	Factor analysis applied to the study of the effects of solvent composition and nature of the inert electrolyte on the protonation constants in dioxane-water mixtures. <i>Analytica Chimica Acta</i> , 1993, 283, 548-558.	2.6	24
148	Solvatochromic parameters for binary mixtures and a correlation with equilibrium constants. Part I. Dioxane-water mixtures. <i>Journal of Solution Chemistry</i> , 1992, 21, 147-162.	0.6	51
149	Assessment of solvent parameters and their correlation with protonation constants in dioxane-water mixtures using factor analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1991, 12, 29-38.	1.8	20
150	Correlation of acid-base properties of solutes with the polarity parameters and other solvatochromic parameters of dioxane-water mixtures. <i>Inorganica Chimica Acta</i> , 1991, 187, 187-195.	1.2	12