

Anna de Juan

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.

148
papers

7,228
citations

41
h-index

82
g-index

158
ext. papers

7,924
ext. citations

5.2
avg, IF

6.28
L-index

#	Paper	IF	Citations
148	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	6.6	1
147	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	6.2	2
146	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	6.2	5
145	Acid recovery from copper metallurgical process streams polluted with arsenic by diffusion dialysis. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104692	6.8	3
144	Multivariate Curve Resolution: 50 years addressing the mixture analysis problem - A review. <i>Analytica Chimica Acta</i> , 2021 , 1145, 59-78	6.6	32
143	Autofluorescence of stingray skeletal cartilage: hyperspectral imaging as a tool for histological characterization. <i>Discover Materials</i> , 2021 , 1, 1		
142	Multivariate Curve Resolution Slicing of Multiexponential Time-Resolved Spectroscopy Fluorescence Data. <i>Analytical Chemistry</i> , 2021 , 93, 12504-12513	7.8	4
141	Linear unmixing protocol for hyperspectral image fusion analysis applied to a case study of vegetal tissues. <i>Scientific Reports</i> , 2021 , 11, 18665	4.9	0
140	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	6.6	2
139	3D and 4D Image Fusion: Coping with Differences in Spectroscopic Modes among Hyperspectral Images. <i>Analytical Chemistry</i> , 2020 , 92, 9591-9602	7.8	7
138	Multivariate curve resolution for hyperspectral image analysis. <i>Data Handling in Science and Technology</i> , 2020 , 32, 115-150	2.7	9
137	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	4.4	7
136	A perspective on modeling evolution. <i>Journal of Chemometrics</i> , 2020 , 34, e3205	1.6	1
135	Multiset Data Analysis: Extended Multivariate Curve Resolution 2020 , 305-336		5
134	Two-Way Data Analysis: Evolving Factor Analysis 2020 , 95-106		
133	Introduction to Linear Soft-Modeling 2020 , 1-2		
132	Introduction to Multivariate Curve Resolution 2020 , 85-94		3

131	Design of Heterogeneity Indices for Blending Quality Assessment Based on Hyperspectral Images and Variographic Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 15880-15889	7.8	1
130	MALDI imaging mass spectrometry and chemometric tools to discriminate highly similar colorectal cancer tissues. <i>Talanta</i> , 2020 , 208, 120455	6.2	7
129	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	4.5	9
128	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	20.1	8
127	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	6.6	4
126	Data Fusion by Multivariate Curve Resolution. <i>Data Handling in Science and Technology</i> , 2019 , 205-233	2.7	5
125	Image Fusion. <i>Data Handling in Science and Technology</i> , 2019 , 311-344	2.7	5
124	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	6.2	8
123	Two-Way Data Analysis: Multivariate Curve Resolution, Iterative Methods 2019 , 153-171		2
122	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	6.2	9
121	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	7.8	21
120	Systematic comparison and potential combination between multivariate curve resolution-Alternating least squares (MCR-ALS) and band-target entropy minimization (BTEM). <i>Journal of Chemometrics</i> , 2018 , 32, e3000	1.6	3
119	Hyperspectral image analysis. When space meets Chemistry. <i>Journal of Chemometrics</i> , 2018 , 32, e2985	1.6	6
118	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	7.8	23
117	Application of a sparseness constraint in multivariate curve resolution- Alternating least squares. <i>Analytica Chimica Acta</i> , 2018 , 1000, 100-108	6.6	25
116	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	3.6	1
115	Multivariate unmixing approaches on Raman images of plant cell walls: new insights or overinterpretation of results?. <i>Plant Methods</i> , 2018 , 14, 52	5.8	24
114	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	3.1	5

113	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, e2017000897	3.1	7
112	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	5.8	21
111	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	4.6	9
110	A new matching image preprocessing for image data fusion. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 164, 32-42	3.8	19
109	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	14.6	23
108	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	6.6	9
107	Local rank-based spatial information for improvement of remote sensing hyperspectral imaging resolution. <i>Talanta</i> , 2016 , 146, 1-9	6.2	12
106	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	6.6	2
105	Multivariate Curve Resolution-Alternating Least Squares for Spectroscopic Data. <i>Data Handling in Science and Technology</i> , 2016 , 30, 5-51	2.7	27
104	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, 3929-35	7.8	6
103	Combining multiset resolution and segmentation for hyperspectral image analysis of biological tissues. <i>Analytica Chimica Acta</i> , 2015 , 881, 24-36	6.6	30
102	Multivariate Curve Resolution: A Different Way To Examine Chemical Data. <i>ACS Symposium Series</i> , 2015 , 95-128	0.4	11
101	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	6.6	2
100	MCR-ALS GUI 2.0: New features and applications. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 140, 1-12	3.8	466
99	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	3.5	28
98	Multivariate Curve Resolution Applied to Hyperspectral Imaging Analysis of Chocolate Samples. <i>Applied Spectroscopy</i> , 2015 , 69, 993-1003	3.1	19
97	Multivariate Curve Resolution for Quantitative Analysis. <i>Data Handling in Science and Technology</i> , 2015 , 29, 247-292	2.7	26
96	Vibrational spectroscopic image analysis of biological material using multivariate curve resolution-alternating least squares (MCR-ALS). <i>Nature Protocols</i> , 2015 , 10, 217-40	18.8	190

95	Study of time-dependent structural changes of laponite colloidal system by means of near-infrared spectroscopy and hybrid hard- and soft-modelling multivariate curve resolution–alternating least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 142, 285-292	3.8	9
94	Use of Raman spectroscopy and chemometrics to distinguish blue ballpoint pen inks. <i>Forensic Science International</i> , 2015 , 249, 73-82	2.6	44
93	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	3.8	28
92	Multivariate Curve Resolution (MCR). Solving the mixture analysis problem. <i>Analytical Methods</i> , 2014 , 6, 4964-4976	3.2	34 ⁰
91	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	1.6	20
90	Modeling strategies for pharmaceutical blend monitoring and end-point determination by near-infrared spectroscopy. <i>International Journal of Pharmaceutics</i> , 2014 , 473, 219-31	6.5	26
89	Chemometric Tools for Image Analysis 2014 , 57-110		3
88	New chemometric approach MCR-ALS to unmix EPR spectroscopic data from complex mixtures. <i>Journal of Magnetic Resonance</i> , 2014 , 248, 27-35	3	10
87	Monitoring polymorphic transformations by using in situ Raman hyperspectral imaging and image multiset analysis. <i>Analytica Chimica Acta</i> , 2014 , 819, 15-25	6.6	44
86	Screening and quantification of proteinaceous binders in medieval paints based on Fourier transform infrared spectroscopy and multivariate curve resolution alternating least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 134, 148-157	3.8	19
85	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, 233-41	6.2	51
84	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	6.6	41
83	High-throughput carotenoid profiling using multivariate curve resolution. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 5075-86	4.4	17
82	Blending process modeling and control by multivariate curve resolution. <i>Talanta</i> , 2013 , 117, 492-504	6.2	27
81	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	3.8	43
80	Chemometric strategies to unmix information and increase the spatial description of hyperspectral images: a single-cell case study. <i>Analytical Chemistry</i> , 2013 , 85, 6303-11	7.8	33
79	Multivariate curve resolution–alternating least squares applied to the investigation of ultrafast competitive photoreactions. <i>Analytica Chimica Acta</i> , 2013 , 788, 8-16	6.6	15
78	Multivariate Curve Resolution Methods for Food Chemistry. <i>Data Handling in Science and Technology</i> , 2013 , 28, 235-263	2.7	3

77	Comprehensive data analysis of femtosecond transient absorption spectra: A review. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2012 , 13, 1-27	16.4	200
76	ICRM-2011 International Chemometrics Research Meeting. <i>Journal of Chemometrics</i> , 2012 , 26, 40-40	1.6	1
75	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, 138-48	3.2	18
74	Relevant aspects of quantification and sample heterogeneity in hyperspectral image resolution. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012 , 117, 169-182	3.8	62
73	ICRM-2011 international chemometrics research meeting. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012 , 111, 66	3.8	4
72	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	3.8	16
71	Resolution and segmentation of hyperspectral biomedical images by multivariate curve resolution-alternating least squares. <i>Analytica Chimica Acta</i> , 2011 , 705, 182-92	6.6	91
70	Comprehensive description of the photodegradation of bromophenols using chromatographic monitoring and chemometric tools. <i>Talanta</i> , 2011 , 83, 1134-46	6.2	16
69	Chromatographic and spectroscopic data fusion analysis for interpretation of photodegradation processes. <i>Journal of Chromatography A</i> , 2011 , 1218, 9260-8	4.5	36
68	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	4.4	21
67	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	3.8	20
66	Multivariate image analysis: A review with applications. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 107, 1-23	3.8	203
65	Application of chemometric methods to environmental analysis of organic pollutants: A review. <i>Talanta</i> , 2010 , 80, 1052-67	6.2	102
64	Experimental monitoring and data analysis tools for protein folding: study of steady-state evolution and modeling of kinetic transients by multitechnique and multiexperiment data fusion. <i>Analytica Chimica Acta</i> , 2009 , 632, 52-62	6.6	16
63	Chemometrics description of measurement error structure: study of an ultrafast absorption spectroscopy experiment. <i>Analytica Chimica Acta</i> , 2009 , 642, 19-26	6.6	22
62	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, 6031-40	3.4	27
61	Linear Soft-Modeling: Introduction 2009 , 207-210		3
60	Two-Way Data Analysis: Evolving Factor Analysis 2009 , 261-274		6

59	Multiset Data Analysis: Extended Multivariate Curve Resolution 2009 , 473-505		52
58	Introduction to Multivariate Curve Resolution 2009 , 249-259		24
57	Two-Way Data Analysis: Multivariate Curve Resolution Iterative Resolution Methods 2009 , 325-344		29
56	Multivariate soft-modeling to predict radiocesium soil-to-plant transfer. <i>Environmental Science & Technology</i> , 2008 , 42, 4029-36	10.3	14
55	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	6.6	62
54	Use of local rank-based spatial information for resolution of spectroscopic images. <i>Journal of Chemometrics</i> , 2008 , 22, 291-298	1.6	74
53	Focus on the potential of hybrid hard- and soft-MCRALS in time resolved spectroscopy. <i>Journal of Chemometrics</i> , 2008 , 22, 666-673	1.6	17
52	Comprehensive liquid chromatography-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, 890-9	2.2	45
51	Hybrid hard- and soft-modeling applied to difference spectra. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007 , 89, 26-35	3.8	47
50	Factor analysis of hyphenated chromatographic data exploration, resolution and quantification of multicomponent systems. <i>Journal of Chromatography A</i> , 2007 , 1158, 184-95	4.5	80
49	pH- and time-dependent hemoglobin transitions: a case study for process modelling. <i>Analytica Chimica Acta</i> , 2007 , 595, 198-208	6.6	41
48	Multivariate curve resolution of rapid-scan FTIR difference spectra of quinone photoreduction in bacterial photosynthetic membranes. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1863-73	4.4	30
47	Multivariate Curve Resolution (MCR) from 2000: Progress in Concepts and Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2006 , 36, 163-176	5.2	501
46	Monitoring and modeling of protein processes using mass spectrometry, circular dichroism, and multivariate curve resolution methods. <i>Analytical Chemistry</i> , 2006 , 78, 4768-78	7.8	39
45	Multivariate Curve Resolution 2006 , 417-474		13
44	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, 527-41	4.2	48
43	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	6.6	52
42	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	6.6	47

41	Matrix augmentation for breaking rank-deficiency: A case study. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006 , 80, 209-214	3.8	33
40	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	3.8	33
39	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	3.8	6
38	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	6.6	21
37	Application of multivariate curve resolution to the temperature-induced unfolding of β -thymotrypsin. <i>Analytica Chimica Acta</i> , 2005 , 544, 159-166	6.6	24
36	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	3.8	59
35	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	3.8	852
34	Application of the local regression method interval partial least-squares to the elucidation of protein secondary structure. <i>Analytical Biochemistry</i> , 2005 , 336, 231-42	3.1	42
33	Spectroscopic imaging and chemometrics: a powerful combination for global and local sample analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 70-79	14.6	152
32	Local rank exploratory analysis of evolving rank-deficient systems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004 , 70, 11-21	3.8	47
31	Chemometrics applied to unravel multicomponent processes and mixtures: Revisiting latest trends in multivariate resolution. <i>Analytica Chimica Acta</i> , 2003 , 500, 195-210	6.6	448
30	Modeling temperature-dependent protein structural transitions by combined near-IR and mid-IR spectroscopies and multivariate curve resolution. <i>Analytical Chemistry</i> , 2003 , 75, 5592-601	7.8	85
29	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, 641-7	7.8	84
28	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, 6031-9	7.8	70
27	Quantitation of Mixtures of Diprotic Organic Acids by FT-IR Flow Titrations and Multivariate Curve Resolution. <i>Applied Spectroscopy</i> , 2002 , 56, 40-50	3.1	32
26	Comparison of three-way resolution methods for non-trilinear chemical data sets. <i>Journal of Chemometrics</i> , 2001 , 15, 749-771	1.6	152
25	Three-way data analysis applied to multispectroscopic monitoring of protein folding. <i>Analytica Chimica Acta</i> , 2001 , 446, 185-195	6.6	53
24	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	6.6	82

23	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, 290-7	7.8	7
22	Soft Modeling of Analytical Data 2000 ,		14
21	Combining hard- and soft-modelling to solve kinetic problems. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000 , 54, 123-141	3.8	259
20	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	3.1	17
19	Characterization of methanol-water and acetonitrile-water association using multivariate curve resolution methods. <i>Analytical Chemistry</i> , 2000 , 72, 1956-63	7.8	37
18	Determination of a mixture of gamma-emitting radionuclides using solid scintillation detectors and multivariate calibration. <i>Analytica Chimica Acta</i> , 1999 , 379, 121-133	6.6	7
17	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	4.5	53
16	Three-way data analysis of pollutant degradation profiles monitored using liquid chromatography-diode array detection. <i>Journal of Chemometrics</i> , 1999 , 13, 331-341	1.6	23
15	Characterization of Reversed-Phase Liquid Chromatographic Stationary Phases Using Solvatochromism and Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 1999 , 71, 5225-5234	7.8	26
14	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	3.8	74
13	A soft-modeling approach to interpret thermodynamic and conformational transitions of polynucleotides. <i>Biophysical Journal</i> , 1997 , 73, 2937-48	2.9	31
12	Solvent classification based on solvatochromic parameters: a comparison with the Snyder approach. <i>TrAC - Trends in Analytical Chemistry</i> , 1997 , 16, 52-62	14.6	42
11	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, 174-83	3.1	8
10	Assessment of new constraints applied to the alternating least squares method. <i>Analytica Chimica Acta</i> , 1997 , 346, 307-318	6.6	175
9	A Soft-Modelling Approach to Interpret PH-Dependent Thermodynamical and Conformational Transitions of Polynucleotides 1997 , 247-248		
8	A New Strategy of Spectroscopic Monitoring and Interpretation of Biomacromolecular Processes 1997 , 621-622		
7	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, 155-73	4.2	7
6	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	3.8	42

5	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	6.6	22
4	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	1.8	35
3	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	3.8	19
2	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	2.7	7
1	Chemometric Tools for Image Analysis 65-109		36