

Alejandro C Olivieri

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9228803/alejandro-c-olivieri-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

247
papers

8,030
citations

49
h-index

77
g-index

254
ext. papers

8,566
ext. citations

5.2
avg, IF

6.7
L-index

#	Paper	IF	Citations
247	How noise affects the band boundaries in multivariate curve resolution. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022 , 220, 104472	3.8	1
246	Sensitivity and generalized analytical sensitivity expressions for quantitative analysis using convolutional neural networks.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 338697	6.6	1
245	Evaluation of the ambiguity in second-order analytical calibration based on multivariate curve resolution. A tutorial. <i>Microchemical Journal</i> , 2022 , 179, 107455	4.8	0
244	A down-to-earth analyst view of rotational ambiguity in second-order calibration with multivariate curve resolution—a tutorial. <i>Analytica Chimica Acta</i> , 2021 , 1156, 338206	6.6	7
243	On the signal contribution function with respect to different norms. <i>Journal of Chemometrics</i> , 2021 , 35, e3363	1.6	
242	Interference-free calibration with first-order instrumental data and multivariate curve resolution. When and why?. <i>Analytica Chimica Acta</i> , 2021 , 1161, 338465	6.6	2
241	N-BANDS: A new algorithm for estimating the extension of feasible bands in multivariate curve resolution of multicomponent systems in the presence of noise and rotational ambiguity. <i>Journal of Chemometrics</i> , 2021 , 35, e3317	1.6	5
240	Statistics and Food Quality 2021 , 362-386		
239	Processing multi-way chromatographic data for analytical calibration, classification and discrimination: A successful marriage between separation science and chemometrics. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 134, 116128	14.6	13
238	Estimating the boundaries of the feasible profiles in the bilinear decomposition of multi-component data matrices. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021 , 216, 104387	3.8	1
237	Achieving the analytical second-order advantage with non-bilinear second-order data. <i>Analytica Chimica Acta</i> , 2021 , 1181, 338911	6.6	0
236	Initialization effects in two-component second-order multivariate calibration with the extended bilinear model. <i>Analytica Chimica Acta</i> , 2020 , 1125, 169-176	6.6	6
235	A New Parameter for Measuring the Prediction Uncertainty Produced by Rotational Ambiguity in Second-Order Calibration with Multivariate Curve Resolution. <i>Analytical Chemistry</i> , 2020 , 92, 9118-9123	7.8	7
234	Using chemometric tools to investigate the quality of three- and four-way liquid chromatographic data obtained with two different fluorescence detectors and applied to the determination of quinolone antibiotics in animal tissues. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020 , 199, 103972	3.8	2
233	Developing and Implementing an R Shiny Application to Introduce Multivariate Calibration to Advanced Undergraduate Students. <i>Journal of Chemical Education</i> , 2020 , 97, 1176-1180	2.4	3
232	On second-order calibration based on multivariate curve resolution in the presence of highly overlapped profiles. <i>Analytica Chimica Acta</i> , 2020 , 1096, 53-60	6.6	7
231	Why should the pharmaceutical industry claim for the implementation of second-order chemometric models-A critical review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 179, 112965	2.5	12

230	MVC1_GUI: A MATLAB graphical user interface for first-order multivariate calibration. An upgrade including artificial neural networks modelling. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020 , 206, 104162	3.8	6
229	Sensitivity for Multivariate Calibration Based on Multilayer Perceptron Artificial Neural Networks. <i>Analytical Chemistry</i> , 2020 , 92, 12265-12272	7.8	11
228	Second-order multivariate calibration with the extended bilinear model: Effect of initialization, constraints, and composition of the calibration set on the extent of rotational ambiguity. <i>Journal of Chemometrics</i> , 2020 , 34, e3130	1.6	8
227	Figures of Merit 2020 , 441-463		
226	Multi-way chromatographic calibration-A review. <i>Journal of Chromatography A</i> , 2019 , 1587, 2-13	4.5	43
225	Analytical chemistry assisted by multi-way calibration: A contribution to green chemistry. <i>Talanta</i> , 2019 , 204, 700-712	6.2	22
224	Contribution to second-order calibration based on multivariate curve resolution with and without previous chromatographic synchronization. <i>Analytica Chimica Acta</i> , 2019 , 1078, 8-15	6.6	4
223	Comparative chemometric analysis of fluorescence and near infrared spectroscopies for authenticity confirmation and geographical origin of Argentinean extra virgin olive oils. <i>Food Control</i> , 2019 , 96, 22-28	6.2	34
222	Complex numbers-partial least-squares applied to the treatment of electrochemical impedance spectroscopy data. <i>Analytica Chimica Acta</i> , 2019 , 1080, 1-11	6.6	4
221	Interpretation of matrix chromatographic-spectral data modeling with parallel factor analysis 2 and multivariate curve resolution. <i>Journal of Chromatography A</i> , 2019 , 1604, 460502	4.5	14
220	Classification of olive oils according to their cultivars based on second-order data using LC-DAD. <i>Talanta</i> , 2019 , 195, 69-76	6.2	18
219	Error Covariance Penalized Regression: A novel multivariate model combining penalized regression with multivariate error structure. <i>Analytica Chimica Acta</i> , 2018 , 1011, 20-27	6.6	6
218	MVC3_GUI: A MATLAB graphical user interface for third-order multivariate calibration. An upgrade including new multi-way models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018 , 173, 21-29	3.8	17
217	The effect of constraints on the analytical figures of merit achieved by extended multivariate curve resolution-alternating least-squares. <i>Analytica Chimica Acta</i> , 2018 , 1003, 10-15	6.6	6
216	Phenolic profiling of grapes, fermenting samples and wines using UV-Visible spectroscopy with chemometrics. <i>Food Control</i> , 2018 , 85, 11-22	6.2	40
215	Strategy To Obtain Accurate Analytical Solutions in Second-Order Multivariate Calibration with Curve Resolution Methods. <i>Analytical Chemistry</i> , 2018 , 90, 9725-9733	7.8	12
214	Quantifying the Prediction Error in Analytical Multivariate Curve Resolution Studies of Multicomponent Systems. <i>Analytical Chemistry</i> , 2018 , 90, 7040-7047	7.8	23
213	Structural analysis of natural deep eutectic solvents. Theoretical and experimental study. <i>Microchemical Journal</i> , 2018 , 143, 252-258	4.8	22

212	Chemometrics and Multivariate Calibration 2018 , 1-17		2
211	Analytical Figures of Merit 2018 , 159-177		1
210	MVC1: Software for Multivariate Calibration 2018 , 179-205		
209	The Classical Least-Squares Model 2018 , 19-38		
208	The Optimum Number of Latent Variables 2018 , 87-101		2
207	The Partial Least-Squares Model 2018 , 103-121		
206	Mathematical Pre-processing 2018 , 139-158		1
205	Online Third-Order Liquid Chromatographic Data with Native and Photoinduced Fluorescence Detection for the Quantitation of Organic Pollutants in Environmental Water. <i>ACS Omega</i> , 2018 , 3, 15773-15779		15779
204	Introduction to Multivariate Calibration 2018 ,		24
203	Chemometrics coupled to vibrational spectroscopy and spectroscopic imaging for the analysis of solid-phase pharmaceutical products: A brief review on non-destructive analytical methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 108, 74-87	14.6	37
202	The effect of data matrix augmentation and constraints in extended multivariate curve resolution-Alternating least squares. <i>Journal of Chemometrics</i> , 2017 , 31, e2875	1.6	24
201	Multivariate curve resolution applied to kinetic-spectroscopic data matrices: Dye determination in foods by means of enzymatic oxidation. <i>Talanta</i> , 2017 , 169, 189-194	6.2	5
200	A systematic study on the effect of noise and shift on multivariate figures of merit of second-order calibration algorithms. <i>Analytica Chimica Acta</i> , 2017 , 952, 18-31	6.6	13
199	Recent advances in analytical figures of merit: heteroscedasticity strikes back. <i>Analytical Methods</i> , 2017 , 9, 739-743	3.2	8
198	Maximum likelihood unfolded principal component regression with residual bilinearization (MLU-PCR/RBL) for second-order multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 170, 51-57	3.8	3
197	SRO_ANN: An integrated MatLab toolbox for multiple surface response optimization using radial basis functions. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017 , 171, 198-206	3.8	9
196	A road map for multi-way calibration models. <i>Analyst, The</i> , 2017 , 142, 2862-2873	5	32
195	Sensitivity, Prediction Uncertainty, and Detection Limit for Artificial Neural Network Calibrations. <i>Analytical Chemistry</i> , 2016 , 88, 7807-12	7.8	20

194	A new and consistent parameter for measuring the quality of multivariate analytical methods: Generalized analytical sensitivity. <i>Analytica Chimica Acta</i> , 2016 , 933, 43-9	6.6	15
193	Generalized error-dependent prediction uncertainty in multivariate calibration. <i>Analytica Chimica Acta</i> , 2016 , 903, 51-60	6.6	22
192	Chemometric modeling of kinetic-fluorescent third-order data for thiamine determination in multivitamin complexes. <i>Microchemical Journal</i> , 2016 , 128, 42-46	4.8	10
191	Multi-way figures of merit in the presence of heteroscedastic and correlated instrumental noise: Unfolded partial least-squares with residual multi-linearization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 158, 200-209	3.8	8
190	A novel application of nylon membranes for tributyltin determination in complex environmental samples by fluorescence spectroscopy and multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 148, 77-84	3.8	7
189	Anthocyanins as markers for the classification of Argentinean wines according to botanical and geographical origin. Chemometric modeling of liquid chromatography-mass spectrometry data. <i>Food Chemistry</i> , 2015 , 175, 174-80	8.5	39
188	Spray drying formulation of albendazole microspheres by experimental design. In vitro-in vivo studies. <i>Drug Development and Industrial Pharmacy</i> , 2015 , 41, 244-52	3.6	22
187	Unfolded and Multiway Partial Least-Squares with Residual Multilinearization: Fundamentals. <i>Data Handling in Science and Technology</i> , 2015 , 29, 347-363	2.7	4
186	Unfolded and Multiway Partial Least-Squares with Residual Multilinearization. <i>Data Handling in Science and Technology</i> , 2015 , 29, 365-397	2.7	6
185	Figures of Merit in Multiway Calibration. <i>Data Handling in Science and Technology</i> , 2015 , 29, 541-575	2.7	6
184	Novel augmented parallel factor model for four-way calibration of high-performance liquid chromatography-fluorescence excitation-emission data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 141, 1-11	3.8	21
183	A new modeling strategy for third-order fast high-performance liquid chromatographic data with fluorescence detection. Quantitation of fluoroquinolones in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1999-2011	4.4	25
182	Practical guidelines for reporting results in single- and multi-component analytical calibration: a tutorial. <i>Analytica Chimica Acta</i> , 2015 , 868, 10-22	6.6	165
181	Determination of five pesticides in juice, fruit and vegetable samples by means of liquid chromatography combined with multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2014 , 814, 23-30	6.6	63
180	Calibration Scenarios 2014 , 1-9		4
179	Second- and higher-order data generation and calibration: a tutorial. <i>Analytica Chimica Acta</i> , 2014 , 806, 8-26	6.6	139
178	Second-order advantage obtained from standard addition first-order instrumental data and multivariate curve resolution-alternating least squares. Calculation of the feasible bands of results. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 122, 721-30	4.4	8
177	Chemometric modeling of organic contaminant sources in surface waters of a mediterranean river basin. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 124-34	4.3	6

176	IUPAC-consistent approach to the limit of detection in partial least-squares calibration. <i>Analytical Chemistry</i> , 2014 , 86, 7858-66	7.8	177
175	Chemometric processing of second-order liquid chromatographic data with UV-vis and fluorescence detection. A comparison of multivariate curve resolution and parallel factor analysis 2. <i>Analytica Chimica Acta</i> , 2014 , 842, 11-9	6.6	41
174	Analytical figures of merit: from univariate to multiway calibration. <i>Chemical Reviews</i> , 2014 , 114, 5358-788.1	8.1	215
173	Experimental Three-way/Second-order Data 2014 , 27-45		3
172	Recent applications of first- and second-order multivariate calibration to analytical chemistry. <i>Journal of AOAC INTERNATIONAL</i> , 2014 , 97, 39-49	1.7	7
171	Partial Least-Squares with Residual Bilinearization 2014 , 157-195		4
170	Analytical Figures of Merit 2014 , 93-107		2
169	Parallel Factor Analysis: Nontrilinear Data of Type 1 2014 , 109-125		2
168	Three-way/Second-order Standard Addition 2014 , 197-216		1
167	Third-order/Four-way Calibration and Beyond 2014 , 217-232		
166	Design, characterization, and in vitro evaluation of antifungal polymeric films. <i>AAPS PharmSciTech</i> , 2013 , 14, 64-73	3.9	11
165	Optimization of the hydrolysis of lignocellulosic residues by using radial basis functions modeling and particle swarm optimization. <i>Biochemical Engineering Journal</i> , 2013 , 80, 1-9	4.2	8
164	An integrated approach to the simultaneous selection of variables, mathematical pre-processing and calibration samples in partial least-squares multivariate calibration. <i>Talanta</i> , 2013 , 115, 755-60	6.2	22
163	Determination of tributyltin at parts-per-trillion levels in natural waters by second-order multivariate calibration and fluorescence spectroscopy. <i>Microchemical Journal</i> , 2013 , 106, 95-101	4.8	20
162	Feasibility of the determination of polycyclic aromatic hydrocarbons in edible oils via unfolded partial least-squares/residual bilinearization and parallel factor analysis of fluorescence excitation emission matrices. <i>Talanta</i> , 2013 , 103, 361-70	6.2	47
161	A review on second- and third-order multivariate calibration applied to chromatographic data. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 910, 22-30 ³⁻²	3.2	75
160	Uncovering interactions in Plackett-Burman screening designs applied to analytical systems. A Monte Carlo ant colony optimization approach. <i>Talanta</i> , 2012 , 97, 242-8	6.2	9
159	MVC3: A MATLAB graphical interface toolbox for third-order multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012 , 116, 9-16	3.8	46

158	Sensitivity equation for quantitative analysis with multivariate curve resolution-alternating least-squares: theoretical and experimental approach. <i>Analytical Chemistry</i> , 2012 , 84, 8697-706	7.8	89
157	Analytical figures of merit for partial least-squares coupled to residual multilinearization. <i>Analytical Chemistry</i> , 2012 , 84, 10823-30	7.8	33
156	Determination of enantiomeric composition of ibuprofen in pharmaceutical formulations by partial least-squares regression of strongly overlapped chromatographic profiles. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 910, 78-83	3.2	8
155	New developments for the sensitivity estimation in four-way calibration with the quadrilinear parallel factor model. <i>Analytical Chemistry</i> , 2012 , 84, 186-93	7.8	53
154	Recent advances in analytical calibration with multi-way data. <i>Analytical Methods</i> , 2012 , 4, 1876	3.2	50
153	Multivariate curve-resolution analysis of pesticides in water samples from liquid chromatographic-diode array data. <i>Talanta</i> , 2011 , 83, 1173-80	6.2	21
152	Unfolded partial least-squares with residual quadrilinearization: A new multivariate algorithm for processing five-way data achieving the second-order advantage. Application to fourth-order excitation-emission-kinetic-pH fluorescence analytical data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 109, 178-185	3.8	39
151	A new and efficient variable selection algorithm based on ant colony optimization. Applications to near infrared spectroscopy/partial least-squares analysis. <i>Analytica Chimica Acta</i> , 2011 , 699, 18-25	6.6	86
150	Time dependence of the aroma pattern emitted by an encapsulated essence studied by means of electronic noses and chemometric analysis. <i>Food Research International</i> , 2010 , 43, 797-804	7	20
149	In vivo evaluation of albendazole microspheres for the treatment of <i>Toxocara canis</i> larva migrans. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 75, 451-4	5.7	30
148	Application of chemometric methods to environmental analysis of organic pollutants: A review. <i>Talanta</i> , 2010 , 80, 1052-67	6.2	102
147	Development of a novel strategy for preconcentration of antibiotic residues in milk and their quantitation by capillary electrophoresis. <i>Talanta</i> , 2010 , 82, 213-21	6.2	59
146	Second-order analyte quantitation under identical profiles in one data dimension. A dependency-adapted partial least-squares/residual bilinearization method. <i>Analytical Chemistry</i> , 2010 , 82, 4510-9	7.8	27
145	Application of the correlation constrained multivariate curve resolution alternating least-squares method for analyte quantitation in the presence of unexpected interferences using first-order instrumental data. <i>Analyst, The</i> , 2010 , 135, 636-42	5	51
144	Four-way kinetic-excitation-emission fluorescence data processed by multi-way algorithms. Determination of carbaryl and 1-naphthol in water samples in the presence of fluorescent interferences. <i>Analytica Chimica Acta</i> , 2010 , 677, 97-107	6.6	46
143	Flow injection system for the on-line preconcentration of Pb by cloud point extraction coupled to USNCP OES. <i>Microchemical Journal</i> , 2010 , 95, 306-310	4.8	30
142	Residual bilinearization combined with kernel-unfolded partial least-squares: A new technique for processing non-linear second-order data achieving the second-order advantage. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010 , 100, 127-135	3.8	15
141	Visible/near infrared-partial least-squares analysis of Brix in sugar cane juice. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010 , 102, 100-109	3.8	59

140	A novel second-order standard addition analytical method based on data processing with multidimensional partial least-squares and residual bilinearization. <i>Analytica Chimica Acta</i> , 2009 , 651, 165-72	6.6	30
139	Development of novel formulations for Chagas disease: Optimization of benzimidazole chitosan microparticles based on artificial neural networks. <i>International Journal of Pharmaceutics</i> , 2009 , 367, 140-7	6.5	55
138	Principal component analysis-adaptive neuro-fuzzy inference systems (ANFISs) for the simultaneous spectrophotometric determination of three metals in water samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 73, 608-14	4.4	9
137	MVC2: A MATLAB graphical interface toolbox for second-order multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009 , 96, 246-251	3.8	181
136	Multiple response optimization of styrene-butadiene rubber emulsion polymerization. <i>Computers and Chemical Engineering</i> , 2009 , 33, 850-856	4	26
135	Standard addition analysis of fluoroquinolones in human serum in the presence of the interferent salicylate using lanthanide-sensitized excitation-time decay luminescence data and multivariate curve resolution. <i>Talanta</i> , 2009 , 77, 1715-23	6.2	47
134	When unfolding is better: unique success of unfolded partial least-squares regression with residual bilinearization for the processing of spectral-pH data with strong spectral overlapping. Analysis of fluoroquinolones in human urine based on flow-injection pH-modulated synchronous fluorescence data matrices. <i>Analyst</i> , 2009 , 134, 1682-91	5	22
133	Analytical advantages of multivariate data processing. One, two, three, infinity?. <i>Analytical Chemistry</i> , 2008 , 80, 5713-20	7.8	181
132	Screening of oil samples on the basis of excitation-emission room-temperature phosphorescence data and multiway chemometric techniques. Introducing the second-order advantage in a classification study. <i>Analytical Chemistry</i> , 2008 , 80, 2789-98	7.8	37
131	Nonlinear four-way kinetic-excitation-emission fluorescence data processed by a variant of parallel factor analysis and by a neural network model achieving the second-order advantage: malonaldehyde determination in olive oil samples. <i>Analytical Chemistry</i> , 2008 , 80, 7248-56	7.8	39
130	A multiway approach for classification and characterization of rabbit liver apothioneins by CE-ESI-MS. <i>Electrophoresis</i> , 2008 , 29, 4355-67	3.6	19
129	Chemometric resolution of fully overlapped CE peaks: quantitation of carbamazepine in human serum in the presence of several interferences. <i>Electrophoresis</i> , 2008 , 29, 4527-37	3.6	26
128	Multiresponse optimization of the properties of albendazole-chitosan microparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 802-7	3.5	21
127	Three-way partial least-squares/residual bilinearization study of second-order lanthanide-sensitized luminescence excitation-time decay data: analysis of benzoic acid in beverage samples. <i>Analytica Chimica Acta</i> , 2008 , 610, 186-95	6.6	35
126	Second-order advantage from kinetic-spectroscopic data matrices in the presence of extreme spectral overlapping A multivariate curve resolution--alternating least-squares approach. <i>Analytica Chimica Acta</i> , 2008 , 614, 46-57	6.6	42
125	A versatile strategy for achieving the second-order advantage when applying different artificial neural networks to non-linear second-order data: Unfolded principal component analysis/residual bilinearization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2008 , 92, 61-70	3.8	31
124	Spinning Sideband Analysis for Spin-1/2 Nuclei 2007 ,		1
123	Improvement of residual bilinearization by particle swarm optimization for achieving the second-order advantage with unfolded partial least-squares. <i>Journal of Chemometrics</i> , 2007 , 21, 557-566 ^{1.6}		10

122	Second- and third-order multivariate calibration: data, algorithms and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 752-765	14.6	272
121	Determination of pesticides and metabolites in wine by high performance liquid chromatography and second-order calibration methods. <i>Journal of Chromatography A</i> , 2007 , 1148, 200-10	4.5	40
120	Analysis of amoxicillin in human urine by photo-activated generation of fluorescence excitation-emission matrices and artificial neural networks combined with residual bilinearization. <i>Analytica Chimica Acta</i> , 2007 , 588, 192-9	6.6	28
119	Simultaneous multiresponse optimization applied to epinastine determination in human serum by using capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2007 , 595, 310-8	6.6	15
118	Different strategies for the direct determination of amoxicillin in human urine by second-order multivariate analysis of kinetic-spectrophotometric data. <i>Talanta</i> , 2007 , 71, 806-15	6.2	62
117	Experimental study of non-linear second-order analytical data with focus on the second-order advantage. <i>Analyst, The</i> , 2007 , 132, 654-63	5	19
116	Multiway partial least-squares coupled to residual trilinearization: a genuine multidimensional tool for the study of third-order data. Simultaneous analysis of procaine and its metabolite p-aminobenzoic acid in equine serum. <i>Analytical Chemistry</i> , 2007 , 79, 6949-58	7.8	53
115	Estimation of the composition of recombinant human erythropoietin mixtures using capillary electrophoresis and multivariate calibration methods. <i>Electrophoresis</i> , 2006 , 27, 4008-15	3.6	10
114	Second-order advantage achieved by unfolded-partial least-squares/residual bilinearization modeling of excitation-emission fluorescence data presenting inner filter effects. <i>Analytical Chemistry</i> , 2006 , 78, 8051-8	7.8	63
113	Evaluation of partial least-squares with second-order advantage for the multi-way spectroscopic analysis of complex biological samples in the presence of analyte-background interactions. <i>Analyst, The</i> , 2006 , 131, 718-23	5	53
112	Uncertainty estimation and figures of merit for multivariate calibration (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2006 , 78, 633-661	2.1	265
111	Trilinear least-squares and unfolded-PLS coupled to residual trilinearization: New chemometric tools for the analysis of four-way instrumental data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006 , 80, 77-86	3.8	82
110	Spectroscopic bilinear least-squares methods exploiting the second-order advantage. Theoretical and experimental study concerning accuracy, sensitivity and prediction error. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006 , 80, 99-108	3.8	21
109	A review of multivariate calibration methods applied to biomedical analysis. <i>Microchemical Journal</i> , 2006 , 82, 29-42	4.8	73
108	New robust bilinear least squares method for the analysis of spectral-pH matrix data. <i>Applied Spectroscopy</i> , 2005 , 59, 926-33	3.1	47
107	Computing sensitivity and selectivity in parallel factor analysis and related multiway techniques: the need for further developments in net analyte signal theory. <i>Analytical Chemistry</i> , 2005 , 77, 4936-46	7.8	90
106	Evaluation of complex spectral-pH three-way arrays by modified bilinear least-squares: determination of four different dyes in interfering systems. <i>Analyst, The</i> , 2005 , 130, 1291-8	5	32
105	Four-way data coupled to parallel factor model applied to environmental analysis: determination of 2,3,7,8-tetrachloro-dibenzo-para-dioxin in highly contaminated waters by solid-liquid extraction laser-excited time-resolved Shpol'skii spectroscopy. <i>Analytical Chemistry</i> , 2005 , 77, 2608-16	7.8	40

104	Artificial neural networks study of the catalytic reduction of resazurin: stopped-flow injection kinetic-spectrophotometric determination of Cu(II) and Ni(II). <i>Analytica Chimica Acta</i> , 2005 , 528, 275-284	6.6	15
103	Design and optimization of a chemometrics-assisted spectrophotometric method for the simultaneous determination of levodopa and carbidopa in pharmaceutical products. <i>Analytica Chimica Acta</i> , 2005 , 543, 192-198	6.6	29
102	Application of partial least-squares spectrophotometric-multivariate calibration to the determination of 2-sec-butyl-4,6-dinitrophenol (dinoseb) and 2,6-dinitro-p-cresol in industrial and water samples containing hydrocarbons. <i>Analytica Chimica Acta</i> , 2005 , 553, 141-147	6.6	19
101	On a versatile second-order multivariate calibration method based on partial least-squares and residual bilinearization: Second-order advantage and precision properties. <i>Journal of Chemometrics</i> , 2005 , 19, 253-265	1.6	157
100	A closed-form expression for computing the sensitivity in second-order bilinear calibration. <i>Journal of Chemometrics</i> , 2005 , 19, 583-592	1.6	68
99	A combined artificial neural network/residual bilinearization approach for obtaining the second-order advantage from three-way non-linear data. <i>Journal of Chemometrics</i> , 2005 , 19, 615-624	1.6	26
98	Multivariate Calibration: A Powerful Tool in Pharmaceutical Analysis. <i>Current Pharmaceutical Analysis</i> , 2005 , 1, 145-154	0.6	8
97	Substituent and solvent effects on the proton transfer equilibrium in anils and azo derivatives of naphthol. Multinuclear NMR study and theoretical calculations. <i>Journal of Molecular Structure</i> , 2004 , 705, 1-9	3.4	77
96	Sample-specific standard prediction errors in three-way parallel factor analysis (PARAFAC) exploiting the second-order advantage. <i>Journal of Chemometrics</i> , 2004 , 18, 363-371	1.6	15
95	Simultaneous determination of levodopa and benserazide by stopped-flow injection analysis and three-way multivariate calibration of kinetic-spectrophotometric data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004 , 36, 541-7	3.5	54
94	Standard error of prediction in parallel factor analysis of three-way data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004 , 70, 75-82	3.8	65
93	MVC1: an integrated MatLab toolbox for first-order multivariate calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2004 , 73, 189-197	3.8	168
92	Fast spectrophotometric determination of fluoride in ground waters by flow injection using partial least-squares calibration. <i>Analytica Chimica Acta</i> , 2004 , 512, 157-163	6.6	22
91	Second-order advantage achieved with four-way fluorescence excitation-emission-kinetic data processed by parallel factor analysis and trilinear least-squares. Determination of methotrexate and leucovorin in human urine. <i>Analytical Chemistry</i> , 2004 , 76, 5657-66	7.8	99
90	A test field for the second-order advantage in bilinear least-squares and parallel factor analyses: fluorescence determination of ciprofloxacin in human urine. <i>Analytical Chemistry</i> , 2004 , 76, 2798-806	7.8	59
89	New method for the determination of benzoic and sorbic acids in commercial orange juices based on second-order spectrophotometric data generated by a pH gradient flow injection technique. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 2479-84	5.7	41
88	Two multivariate strategies applied to three-way kinetic spectrophotometric data for the determination of mixtures of the pesticides carbaryl and chlorpyrifos. <i>Applied Spectroscopy</i> , 2004 , 58, 83-90	3.1	41
87	A New Genetic Algorithm Applied to the near Infrared Analysis of Gasolines. <i>Journal of Near Infrared Spectroscopy</i> , 2004 , 12, 85-91	1.5	13

86	A new family of genetic algorithms for wavelength interval selection in multivariate analytical spectroscopy. <i>Journal of Chemometrics</i> , 2003 , 17, 338-345	1.6	52
85	Development and validation of chemometrics-assisted spectrophotometry and micellar electrokinetic chromatography for the determination of four-component pharmaceuticals. <i>Analytica Chimica Acta</i> , 2003 , 489, 77-84	6.6	28
84	Chemometrics assisted spectroscopic determination of vitamin B6, vitamin B12 and dexamethasone in injectables. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003 , 31, 621-7	3.5	27
83	Interference-free analysis using three-way fluorescence data and the parallel factor model. Determination of fluoroquinolone antibiotics in human serum. <i>Analytical Chemistry</i> , 2003 , 75, 2640-6	7.8	88
82	Solid-Liquid Extraction Room Temperature Phosphorimetry and Pattern Recognition for Screening Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls in Water Samples. <i>Environmental Science & Technology</i> , 2003 , 37, 1385-1391	10.3	26
81	A simple approach to uncertainty propagation in preprocessed multivariate calibration. <i>Journal of Chemometrics</i> , 2002 , 16, 207-217	1.6	29
80	Complementary use of partial least-squares and artificial neural networks for the non-linear spectrophotometric analysis of pharmaceutical samples. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 460-5	4.4	30
79	First- and second-order multivariate calibration applied to biological samples: determination of anti-inflammatories in serum and urine. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 451-9	4.4	51
78	Teaching Chemometrics with a Bioprocess: Analytical Methods Comparison Using Bivariate Linear Regression. <i>The Chemical Educator</i> , 2002 , 7, 265-269		6
77	Chemometric assisted simultaneous spectrophotometric determination of four-component nasal solutions with a reduced number of calibration samples. <i>Analytica Chimica Acta</i> , 2002 , 453, 289-300	6.6	36
76	Direct and simultaneous spectrofluorometric determination of naproxen and salicylate in human serum assisted by chemometric analysis. <i>Analytica Chimica Acta</i> , 2002 , 471, 87-96	6.6	34
75	Wavelength selection for multivariate calibration using a genetic algorithm: a novel initialization strategy. <i>Journal of Chemical Information and Computer Sciences</i> , 2002 , 42, 1146-53		54
74	Near-infrared spectroscopic determination of antioxidants and organic acids in rubbers assisted by a new multivariate calibration method based on direct orthogonalization. <i>Analyst, The</i> , 2002 , 127, 304-309	5	11
73	Net Analyte Preprocessing: A New and Versatile Multivariate Calibration Technique. Analysis of Mixtures of Rubber Antioxidants by NIR Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2001 , 9, 245-254	1.5	13
72	A comparison of orthogonal signal correction and net analyte preprocessing methods. Theoretical and experimental study. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001 , 56, 73-81	3.8	92
71	Simultaneous spectrofluorometric determination of oxatomide and phenylephrine in the presence of a large excess of paracetamol. <i>Analytica Chimica Acta</i> , 2001 , 439, 87-94	6.6	16
70	SIMULTANEOUS DETERMINATION OF NICOTINAMIDE AND INOSINE IN OPHTHALMIC SOLUTIONS BY UV SPECTROPHOTOMETRY AND PLS-1 MULTIVARIATE CALIBRATION. <i>Analytical Letters</i> , 2001 , 34, 363-376	2.2	8
69	SIMULTANEOUS MULTIVARIATE SPECTROPHOTOMETRIC ANALYSIS OF EAR DROPS CONTAINING A TERNARY MIXTURE OF ANTIPYRINE, SULFATHIAZOLE, AND RIVANOL. <i>Analytical Letters</i> , 2001 , 34, 2077-2088	2.2	14

68	Sustained prediction ability of net analyte preprocessing methods using reduced calibration sets. Theoretical and experimental study involving the spectrophotometric analysis of multicomponent mixtures. <i>Analyst, The</i> , 2001 , 126, 1105-12	5	37
67	Spectrofluorimetric determination of phenylephrine in the presence of a large excess of paracetamol. <i>Analytica Chimica Acta</i> , 2000 , 419, 159-168	6.6	20
66	Determination of the minor component bromhexine in cotrimoxazole-containing tablets by absorption spectrophotometry and partial least-squares (PLS-1) multivariate calibration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000 , 23, 591-5	3.5	11
65	Simultaneous Determination of Two Antibiotics in Tablets by Spectrophotometry and Principal Component Regression (PCR) Analysis. An Advanced Undergraduate Experiment Involving Chemometrics. <i>The Chemical Educator</i> , 2000 , 5, 236-241		3
64	Simultaneous spectrophotometric-multivariate calibration determination of several components of ophthalmic solutions: phenylephrine, chloramphenicol, antipyrine, methylparaben and thimerosal. <i>Talanta</i> , 2000 , 52, 909-20	6.2	82
63	Determination of the Active Principle in a Syrup by Spectrophotometry and Principal Component Regression Analysis. An Advanced Undergraduate Experiment Involving Chemometrics. <i>Journal of Chemical Education</i> , 2000 , 77, 1330	2.4	14
62	Simultaneous Multivariate Spectrophotometric Analysis of Binary and Ternary Mixtures of Sulfamethoxazole, Trimethoprim and Phenazopyridine in Tablets. <i>Analytical Letters</i> , 1999 , 32, 1389-1401 ^{2.2}		21
61	Simultaneous multivariate spectrophotometric analysis of paracetamol and minor components (diphenhydramine or phenylpropanolamine) in tablet preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 20, 255-61	3.5	25
60	Spectrofluorometric determination of diclofenac in tablets and ointments. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 20, 587-90	3.5	54
59	Simultaneous determination of rifampicin, isoniazid and pyrazinamide in tablet preparations by multivariate spectrophotometric calibration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999 , 20, 681-6	3.5	61
58	Determination of theophylline in blood serum by UV spectrophotometry and partial least-squares (PLS-1) calibration. <i>Analytica Chimica Acta</i> , 1999 , 384, 95-103	6.6	38
57	Simultaneous Determination of Timolol Maleate and Pilocarpine Hydrochloride in Ophthalmic Solutions by First Derivative UV Spectrophotometry and PLS-1 Multivariate Calibration. <i>Analytical Letters</i> , 1999 , 32, 2019-2033	2.2	19
56	Enhanced synchronous spectrofluorometric determination of tetracycline in blood serum by chemometric analysis. Comparison of partial least-squares and hybrid linear analysis calibrations. <i>Analytical Chemistry</i> , 1999 , 71, 4361-8	7.8	91
55	Determination of Equilibrium Constants of Metal Complexes from Spectrophotometric Measurements. An Undergraduate Laboratory Experiment. <i>Journal of Chemical Education</i> , 1999 , 76, 1277-4		2
54	Wavelength selection by net analyte signals calculated with multivariate factor-based hybrid linear analysis (HLA). A theoretical and experimental comparison with partial least-squares (PLS). <i>Analyst, The</i> , 1999 , 124, 725-731	5	58
53	Illustrating rotating-frame (T_1) NMR relaxation with a microcomputer. <i>Concepts in Magnetic Resonance</i> , 1998 , 10, 157-166		2
52	EPSILON: a versatile microcomputer program for the spectrophotometric data analysis of metal-gand equilibria. <i>Computers & Chemistry</i> , 1998 , 22, 161-168		7
51	Errors in chemical shift tensor components and orientation in the molecular frame as obtained from MAS NMR spinning sideband analysis. <i>Solid State Nuclear Magnetic Resonance</i> , 1998 , 11, 181-7	3.1	2

50	Simultaneous determination of phenobarbital and phenytoin in tablet preparations by multivariate spectrophotometric calibration. <i>Talanta</i> , 1998 , 47, 103-8	6.2	37
49	Random Error Analysis in the Determination of Equilibrium Constants of Very Stable Metal Complexes.. <i>Analytical Letters</i> , 1997 , 30, 1967-1980	2.2	9
48	Spectroscopic and potentiometric study of aromatic η -hydroxy azo compounds and their copper(II) complexes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 545-551		23
47	Solid state NMR sideband shape simulations for any spinning angle and speed. First order calculation of residual dipolar coupling to quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 1997 , 10, 19-24	3.1	7
46	Ground and excited state proton transfer in intramolecularly hydrogen bonded aromatic η -hydroxy azo, aldehydes and their derivatives. <i>Journal of Molecular Structure</i> , 1997 , 415, 115-121	3.4	16
45	Proton transfer and Cu(II) binuclear complexes of 1,4-bis-p-sulfonylazo-2,3-dihydroxynaphthalene: a spectroscopic and potentiometric study in aqueous solution. <i>Journal of Molecular Structure</i> , 1997 , 435, 199-206	3.4	5
44	Retrieving ^{31}P Chemical-Shift-Tensor Information for Dihydrogen Phosphates in the Presence of Homonuclear ^{31}P - ^{31}P Dipolar Coupling. <i>Journal of Magnetic Resonance</i> , 1997 , 126, 138-41	3	4
43	Solid-state electronic absorption, fluorescence and ^{13}C CPMAS NMR spectroscopic study of thermo- and photo-chromic aromatic Schiff bases. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 2293-2296		36
42	Deuterium isotope effects on ^{31}P NMR parameters: hydrogen bonding in a solid urea- β -phosphoric acid adduct. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 5047-5050		10
41	Rigorous Statistical Analysis of Errors in Chemical-Shift-Tensor Components Obtained from Spinning Sidebands in Solid-State NMR. <i>Journal of Magnetic Resonance Series A</i> , 1996 , 123, 207-210		22
40	Urea-phosphoric acid complex studied by variable temperature ^{31}P NMR spectroscopy and semiempirical calculations. <i>Journal of Physics and Chemistry of Solids</i> , 1996 , 57, 1183-1190	3.9	12
39	^{13}C CP/MAS NMR of a ^{13}C - ^2H residual dipolar coupled pair. <i>Solid State Nuclear Magnetic Resonance</i> , 1996 , 7, 121-5	3.1	4
38	The effects of interplay between quadrupolar, dipolar and shielding tensors on magic-angle spinning NMR spectra: shapes of spinning sidebands. <i>Molecular Physics</i> , 1996 , 87, 669-677	1.7	27
37	Ground- and excited-state prototropic tautomerism in anils of aromatic η -hydroxy aldehydes studied by electronic absorption, fluorescence and ^1H and ^{13}C NMR spectroscopies and semi-empirical calculations. <i>Journal of Physical Organic Chemistry</i> , 1995 , 8, 713-720	2.1	21
36	Tautomerism of representative aromatic η -hydroxy carbaldehyde anils as studied by spectroscopic methods and AM1 calculations. Synthesis of 10-hydroxyphenanthrene-9-carbaldehyde. <i>Tetrahedron</i> , 1995 , 51, 4619-4626	2.4	50
35	Residual Dipolar ($^{35,37}\text{Cl}$, ^{13}C) Coupling in Solid Sodium Chloroacetates. A Combined Variable-Temperature ^{35}Cl NQR and Variable-Field ^{13}C MAS NMR Study. <i>Journal of Magnetic Resonance Series A</i> , 1995 , 116, 244-250		15
34	Rapid Determination of Paracetamol in Blood Serum Samples by First-Derivative UV Absorption Spectroscopy. <i>Analytical Letters</i> , 1995 , 28, 2219-2226	2.2	7
33	Determination of three aspirin metabolites in human urine by derivative synchronous spectrofluorimetry. <i>Analyst, The</i> , 1995 , 120, 443-445	5	16

32	Second-order quadrupolar effects for directly bonded and remote $^{13}\text{C}/^{79}/^{81}\text{Br}$ spin pairs in high-resolution ^{13}C NMR spectra of solids. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995 , 91, 3167-3176		11
31	Zero-crossing first and second derivative synchronous fluorescence spectroscopic determination of aspirin metabolites in urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1994 , 12, 1333-5	3.5	4
30	Retrieval of solid-state ^{31}P nuclear magnetic resonance (NMR) chemical shielding parameters: proposal of an approach concerning variable-temperature ^{31}P NMR mass spectra of urea phosphate and comparison of different methods. <i>Solid State Nuclear Magnetic Resonance</i> , 1994 , 3, 163-70	3.1	3
29	Shifting of the keto-enol equilibrium in 1,3-diphenyl-1,3-propanedione by methyl substitution. An AM1 study. <i>Computational and Theoretical Chemistry</i> , 1994 , 309, 59-64		1
28	^{13}C NMR spectroscopic and AM1 study of the intramolecular proton transfer in anils of salicylaldehyde and 2-hydroxynaphthalene-1-carbaldehyde. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994 , 1067-1070		56
27	^{13}C CPMAS NMR study of solid arylazonaphthols. Evidence of $^{13}\text{C},^{14}\text{N}$ self-decoupling induced by a solid-state proton transfer reaction. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993 , 1783-1786		18
26	Total Fluorescence and Zero-Crossing First-Derivative Synchronous Fluorescence Determination Of Acetylsalicylic Acid Metabolites in Biological Fluids. <i>Analytical Letters</i> , 1993 , 26, 247-257	2.2	12
25	Quadrupole effects of spin-3/2 nuclei on the solid-state magic-angle spinning nuclear magnetic resonance spectra of spin-1/2 nuclei. Deviations from first-order theory and implications concerning the sign of the indirect coupling constant. <i>Solid State Nuclear Magnetic Resonance</i> , 1993 , 2, 225-241	3.1	30
24	A simple theoretical treatment of quadrupolar effects on magic-angle-spinning solid-state NMR spectra of spin-1/2 nuclei in the limit of large quadrupole coupling constants. <i>Solid State Nuclear Magnetic Resonance</i> , 1993 , 1, 345-53	3.1	19
23	Study of quadrupole-perturbed quartets in the solid-state magic-angle spinning phosphorus- ^{31}P NMR spectra of phosphine-copper(I) complexes. ^{63}Cu electric field gradients and anisotropy in the $^{31}\text{P},^{63}\text{Cu}$ scalar coupling. <i>Journal of the American Chemical Society</i> , 1992 , 114, 5758-5763	16.4	54
22	^{14}N Quadrupole Interactions in Nitrogen-Containing Ceramics. Effects on ^{29}Si NMR Line Shapes and Structural Implications. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1992 , 47, 39-44	1.4	3
21	Magic-angle-spinning ^{31}P NMR spectra of solid dihydrogen phosphates. Comparison of ordered and dynamically disordered compounds. <i>Solid State Nuclear Magnetic Resonance</i> , 1992 , 1, 205-10	3.1	9
20	Quadrupolar effects transferred to spin-1/2 magic-angle spinning spectra of solids. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 1992 , 24, 435-456	10.4	282
19	C,O atomic motion associated with solid-state proton transfer in enolic 1,3-diketones. <i>Journal of Molecular Structure</i> , 1992 , 274, 215-222	3.4	13
18	Structural and ^{14}N EFG Information on Solid Imidazole by ^{13}C CP/MAS NMR Data. <i>Spectroscopy Letters</i> , 1991 , 24, 895-907	1.1	9
17	Microcomputer program based on the Beierbeck-Saunders approach for the prediction of ^{13}C -NMR chemical shifts in acyclic hydrocarbons. <i>Analytica Chimica Acta</i> , 1990 , 233, 315-319	6.6	2
16	A ^{13}C solid-state NMR study of the structure and the dynamics of the polymorphs of sulphanilamide. <i>Molecular Physics</i> , 1990 , 70, 563-579	1.7	14
15	Calculation of solubilities of carbonates and phosphates in water as influenced by competitive acid-base reactions. <i>Journal of Chemical Education</i> , 1990 , 67, 934	2.4	5

14	Solution of acid-base equilibria by successive approximations. <i>Journal of Chemical Education</i> , 1990 , 67, 229	2.4	7
13	Conformational analysis of the 4a-methyl octahydrophenanthrene system. A spectroscopic and theoretical approach.. <i>Tetrahedron</i> , 1989 , 45, 4951-4960	2.4	5
12	A simple computer program for the calculation of ¹³ C-NMR chemical shifts. <i>Journal of Chemical Education</i> , 1989 , 66, 53	2.4	2
11	Carbon-13 NMR and x-ray structure determination of 1-(arylozo)-2-naphthols. Intramolecular proton transfer between nitrogen and oxygen atoms in the solid state. <i>Journal of the American Chemical Society</i> , 1989 , 111, 5525-5532	16.4	110
10	Concerning the crystal structure of porphine: a proton pulsed and carbon-13 cross-polarization/magic-angle-spinning NMR study. <i>Journal of the American Chemical Society</i> , 1989 , 111, 7001-7005	16.4	29
9	Microcomputer simulation of solid-state ¹³ C NMR line shapes affected by quadrupolar nuclei. <i>Magnetic Resonance in Chemistry</i> , 1988 , 26, 615-618	2.1	36
8	High-resolution solid-state carbon-13 NMR spectra of porphine and 5,10,15-20-tetraalkylporphyrins: implications for the nitrogen-hydrogen tautomerization process. <i>Journal of the American Chemical Society</i> , 1988 , 110, 336-342	16.4	47
7	A variable-temperature solid-state carbon-13 CPMAS NMR analysis of meso-tetrapropylporphyrin and of octaethylporphyrin. <i>Journal of the American Chemical Society</i> , 1988 , 110, 5651-5661	16.4	35
6	Semiempirical calculation of ¹³ C nuclear magnetic resonance chemical shifts of acyclic hydrocarbons. Application to the stereochemical analysis of steroidal side chains. <i>Canadian Journal of Chemistry</i> , 1988 , 66, 71-75	0.9	5
5	Solid State NMR of Drugs: Soluble Aspirin. <i>Analytical Letters</i> , 1987 , 20, 1657-1666	2.2	12
4	Model Studies for the Synthesis of Erigerol Synthesis of 1-Deoxy-13-Epierigerol from Grindelic Acid. <i>Synthetic Communications</i> , 1987 , 17, 1727-1733	1.7	3
3	An extension of the Beierbeck and Saunders parameters for the semiempirical calculation of the ¹³ C nuclear magnetic resonance chemical shifts: the gauche-(X) effect in epoxides. <i>Canadian Journal of Chemistry</i> , 1986 , 64, 552-555	0.9	6
2	Stereoselective synthesis of the novel bisnorditerpene grindelistrictic acid, isolated from <i>Grindelia stricta</i> . <i>Journal of Organic Chemistry</i> , 1986 , 51, 2824-2826	4.2	13
1	Stereospecific transformation of grindelic acid into the antifeedant 6.alpha.-hydroxygrindelic acid, its 6.beta.-epimer, and other related natural diterpene acids. <i>Journal of Organic Chemistry</i> , 1984 , 49, 4984-4988 ¹⁰	4.2	10