

Rasmus Bro

List of Publications by Year in descending order

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234
papers

28,718
citations

13854

67
h-index

5532

163
g-index

243
all docs

243
docs citations

243
times ranked

17565
citing authors

#	ARTICLE	IF	CITATIONS
1	PARAFAC. Tutorial and applications. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1997, 38, 149-171.	1.8	2,318
2	Characterizing dissolved organic matter fluorescence with parallel factor analysis: a tutorial. <i>Limnology and Oceanography: Methods</i> , 2008, 6, 572-579.	1.0	1,969
3	Tracing dissolved organic matter in aquatic environments using a new approach to fluorescence spectroscopy. <i>Marine Chemistry</i> , 2003, 82, 239-254.	0.9	1,598
4	Fluorescence spectroscopy and multi-way techniques. PARAFAC. <i>Analytical Methods</i> , 2013, 5, 6557.	1.3	1,349
5	A new efficient method for determining the number of components in PARAFAC models. <i>Journal of Chemometrics</i> , 2003, 17, 274-286.	0.7	1,053
6	The N-way Toolbox for MATLAB. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 52, 1-4.	1.8	1,010
7	A fast non-negativity-constrained least squares algorithm. <i>Journal of Chemometrics</i> , 1997, 11, 393-401.	0.7	699
8	OpenFluorâ€” an online spectral library of auto-fluorescence by organic compounds in the environment. <i>Analytical Methods</i> , 2014, 6, 658-661.	1.3	676
9	Multiway calibration. Multilinear PLS. <i>Journal of Chemometrics</i> , 1996, 10, 47-61.	0.7	666
10	Variable selection in regressionâ€”a tutorial. <i>Journal of Chemometrics</i> , 2010, 24, 728-737.	0.7	540
11	Practical aspects of PARAFAC modeling of fluorescence excitation-emission data. <i>Journal of Chemometrics</i> , 2003, 17, 200-215.	0.7	517
12	On the uniqueness of multilinear decomposition of N-way arrays. <i>Journal of Chemometrics</i> , 2000, 14, 229-239.	0.7	489
13	Parallel factor analysis in sensor array processing. <i>IEEE Transactions on Signal Processing</i> , 2000, 48, 2377-2388.	3.2	481
14	Blind PARAFAC receivers for DS-CDMA systems. <i>IEEE Transactions on Signal Processing</i> , 2000, 48, 810-823.	3.2	449
15	Handling of Rayleigh and Raman scatter for PARAFAC modeling of fluorescence data using interpolation. <i>Journal of Chemometrics</i> , 2006, 20, 99-105.	0.7	434
16	Multiway calibration. Multilinear PLS. <i>Journal of Chemometrics</i> , 1996, 10, 47-61.	0.7	390
17	PARAFAC2â€”Part I. A direct fitting algorithm for the PARAFAC2 model. <i>Journal of Chemometrics</i> , 1999, 13, 275-294.	0.7	350
18	Centering and scaling in component analysis. <i>Journal of Chemometrics</i> , 2003, 17, 16-33.	0.7	327

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19	A comparison of algorithms for fitting the PARAFAC model. Computational Statistics and Data Analysis, 2006, 50, 1700-1734.	0.7	316
20	PARAFAC2â€”Part II. Modeling chromatographic data with retention time shifts. Journal of Chemometrics, 1999, 13, 295-309.	0.7	277
21	Cross-validation of component models: A critical look at current methods. Analytical and Bioanalytical Chemistry, 2008, 390, 1241-1251.	1.9	269
22	Multivariate Autofluorescence of Intact Food Systems. Chemical Reviews, 2006, 106, 1979-1994.	23.0	262
23	Automated alignment of chromatographic data. Journal of Chemometrics, 2006, 20, 484-497.	0.7	246
24	Fluorescence spectroscopy coupled with PARAFAC and PLS DA for characterization and classification of honey. Food Chemistry, 2015, 175, 284-291.	4.2	234
25	Dissolved Organic Matter Characterization Using Multiway Spectral Decomposition of Fluorescence Landscapes. Soil Science Society of America Journal, 2006, 70, 2028-2037.	1.2	233
26	Gas chromatography â€” mass spectrometry data processing made easy. Journal of Chromatography A, 2017, 1503, 57-64.	1.8	218
27	Multiway analysis of epilepsy tensors. Bioinformatics, 2007, 23, i10-i18.	1.8	210
28	Recent developments in CANDECOMP/PARAFAC algorithms: a critical review. Chemometrics and Intelligent Laboratory Systems, 2003, 65, 119-137.	1.8	208
29	From \mathcal{K} -Means to Higher-Way Co-Clustering: Multilinear Decomposition With Sparse Latent Factors. IEEE Transactions on Signal Processing, 2013, 61, 493-506.	3.2	206
30	PARAFAC and missing values. Chemometrics and Intelligent Laboratory Systems, 2005, 75, 163-180.	1.8	202
31	Review on Multiway Analysis in Chemistryâ€”2000â€”2005. Critical Reviews in Analytical Chemistry, 2006, 36, 279-293.	1.8	197
32	Exploratory study of sugar production using fluorescence spectroscopy and multi-way analysis. Chemometrics and Intelligent Laboratory Systems, 1999, 46, 133-147.	1.8	196
33	Some common misunderstandings in chemometrics. Journal of Chemometrics, 2010, 24, 558-564.	0.7	196
34	Parallel Factor Analysis of Excitationâ€”Emission Matrix Fluorescence Spectra of Water Soluble Soil Organic Matter as Basis for the Determination of Conditional Metal Binding Parameters. Environmental Science & Technology, 2008, 42, 186-192.	4.6	191
35	Characterizing dissolved organic matter fluorescence with parallel factor analysis: a tutorial. Limnology and Oceanography: Methods, 2008, 6, 572-579.	1.0	189
36	Multivariate calibration. Analytica Chimica Acta, 2003, 500, 185-194.	2.6	181

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37	ChroMATHography: Solving Chromatographic Issues with Mathematical Models and Intuitive Graphics. <i>Chemical Reviews</i> , 2010, 110, 4582-4605.	23.0	173
38	Chemometrics in food science—a demonstration of the feasibility of a highly exploratory, inductive evaluation strategy of fundamental scientific significance. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998, 44, 31-60.	1.8	148
39	Least squares algorithms under unimodality and non-negativity constraints. <i>Journal of Chemometrics</i> , 1998, 12, 223-247.	0.7	145
40	Near-infrared chemical imaging (NIR-CI) on pharmaceutical solid dosage forms—Comparing common calibration approaches. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 554-561.	1.4	134
41	Solving GC-MS problems with PARAFAC2. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 714-725.	5.8	134
42	Robust methods for multivariate data analysis. <i>Journal of Chemometrics</i> , 2005, 19, 549-563.	0.7	128
43	Improving the speed of multi-way algorithms. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998, 42, 93-103.	1.8	114
44	Resolving the sign ambiguity in the singular value decomposition. <i>Journal of Chemometrics</i> , 2008, 22, 135-140.	0.7	114
45	Standard error of prediction for multiway PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2002, 61, 133-149.	1.8	104
46	Jack-knife technique for outlier detection and estimation of standard errors in PARAFAC models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 65, 35-49.	1.8	98
47	Review of Chemometrics Applied to Spectroscopy: 1985-95, Part I. <i>Applied Spectroscopy Reviews</i> , 1996, 31, 73-124.	3.4	97
48	A fast non-negativity-constrained least squares algorithm. <i>Journal of Chemometrics</i> , 1997, 11, 393-401.	0.7	96
49	Modeling multi-way data with linearly dependent loadings. <i>Journal of Chemometrics</i> , 2009, 23, 324-340.	0.7	92
50	Data Fusion in Metabolomics Using Coupled Matrix and Tensor Factorizations. <i>Proceedings of the IEEE</i> , 2015, 103, 1602-1620.	16.4	92
51	Structure-revealing data fusion. <i>BMC Bioinformatics</i> , 2014, 15, 239.	1.2	91
52	Exploring the phenotypic expression of a regulatory proteome-altering gene by spectroscopy and chemometrics. <i>Analytica Chimica Acta</i> , 2001, 446, 169-184.	2.6	90
53	Pre-whitening of data by covariance-weighted pre-processing. <i>Journal of Chemometrics</i> , 2003, 17, 153-165.	0.7	88
54	Quantitative analysis of NMR spectra with chemometrics. <i>Journal of Magnetic Resonance</i> , 2008, 190, 26-32.	1.2	87

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55	A tutorial on the Lasso approach to sparse modeling. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 119, 21-31.	1.8	86
56	Maximum likelihood fitting using ordinary least squares algorithms. <i>Journal of Chemometrics</i> , 2002, 16, 387-400.	0.7	85
57	A modification of canonical variates analysis to handle highly collinear multivariate data. <i>Journal of Chemometrics</i> , 2006, 20, 425-435.	0.7	85
58	Orthogonal signal correction, wavelet analysis, and multivariate calibration of complicated process fluorescence data. <i>Analytica Chimica Acta</i> , 2000, 420, 181-195.	2.6	83
59	Improving the speed of multiway algorithms. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1998, 42, 105-113.	1.8	82
60	Towards Rapid and Unique Curve Resolution of Low-Field NMR Relaxation Data: Trilinear SLICING versus Two-Dimensional Curve Fitting. <i>Journal of Magnetic Resonance</i> , 2002, 157, 141-155.	1.2	81
61	Understanding data fusion within the framework of coupled matrix and tensor factorizations. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 129, 53-63.	1.8	80
62	Recent chemometrics advances for foodomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 96, 42-51.	5.8	80
63	A comparison of multiway regression and scaling methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 59, 121-136.	1.8	79
64	First order Rayleigh scatter as a separate component in the decomposition of fluorescence landscapes. <i>Analytica Chimica Acta</i> , 2005, 537, 349-358.	2.6	73
65	Common and distinct components in data fusion. <i>Journal of Chemometrics</i> , 2017, 31, e2900.	0.7	71
66	Calibration methods for complex second-order data. <i>Analytica Chimica Acta</i> , 1999, 398, 237-251.	2.6	69
67	Application of N-PLS to gas chromatographic and sensory data of traditional balsamic vinegars of modena. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 83, 54-65.	1.8	68
68	Multivariate data analysis as a tool in advanced quality monitoring in the food production chain. <i>Trends in Food Science and Technology</i> , 2002, 13, 235-244.	7.8	67
69	Handling within run retention time shifts in two-dimensional chromatography data using shift correction and modeling. <i>Journal of Chromatography A</i> , 2009, 1216, 4020-4029.	1.8	66
70	Using deep learning to evaluate peaks in chromatographic data. <i>Talanta</i> , 2019, 204, 255-260.	2.9	65
71	Analysis of lipoproteins using 2D diffusion-edited NMR spectroscopy and multi-way chemometrics. <i>Analytica Chimica Acta</i> , 2005, 531, 209-216.	2.6	64
72	Olive oil quantification of edible vegetable oil blends using triacylglycerols chromatographic fingerprints and chemometric tools. <i>Talanta</i> , 2011, 85, 177-182.	2.9	63

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73	Combining PARAFAC Analysis of HPLC-PDA Profiles and Structural Characterization Using HPLC-PDA-SPE-NMR-MS Experiments:â€” Commercial Preparations of St. John's Wort. <i>Analytical Chemistry</i> , 2008, 80, 1978-1987.	3.2	62
74	Quantifying catecholamines using multi-way kinetic modelling. <i>Analytica Chimica Acta</i> , 2003, 475, 137-150.	2.6	61
75	Solving fundamental problems in chromatographic analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 281-285.	1.9	58
76	Classification of GCâ€”MS measurements of wines by combining data dimension reduction and variable selection techniques. <i>Journal of Chemometrics</i> , 2008, 22, 457-463.	0.7	58
77	EEMizer: Automated modeling of fluorescence EEM data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 106, 86-92.	1.8	57
78	Review of Chemometrics Applied to Spectroscopy: 1985-95, Part 2. <i>Applied Spectroscopy Reviews</i> , 1996, 31, 347-368.	3.4	56
79	On the difference between low-rank and subspace approximation: improved model for multi-linear PLS regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2001, 58, 3-13.	1.8	56
80	Multiblock variance partitioning: A new approach for comparing variation in multiple data blocks. <i>Analytica Chimica Acta</i> , 2008, 615, 18-29.	2.6	56
81	Forecasting individual breast cancer risk using plasma metabolomics and biocontours. <i>Metabolomics</i> , 2015, 11, 1376-1380.	1.4	54
82	Theory of net analyte signal vectors in inverse regression. <i>Journal of Chemometrics</i> , 2003, 17, 646-652.	0.7	53
83	Multi-way prediction in the presence of uncalibrated interferents. <i>Journal of Chemometrics</i> , 2007, 21, 76-86.	0.7	53
84	Review of Chemometrics Applied to Spectroscopy: 1985-95, Part 3 â€” Multi-way Analysis. <i>Applied Spectroscopy Reviews</i> , 1997, 32, 237-261.	3.4	52
85	PARAFASCA: ASCA combined with PARAFAC for the analysis of metabolic fingerprinting data. <i>Journal of Chemometrics</i> , 2008, 22, 114-121.	0.7	52
86	Variable selection in multi-block regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 156, 89-101.	1.8	52
87	Emerging patterns in the global distribution of dissolved organic matter fluorescence. <i>Analytical Methods</i> , 2019, 11, 888-893.	1.3	52
88	A novel strategy for solving matrix effect in three-way data using parallel profiles with linear dependencies. <i>Analytica Chimica Acta</i> , 2007, 584, 397-402.	2.6	50
89	Enzymatic browning of vegetables. Calibration and analysis of variance by multiway methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1996, 34, 85-102.	1.8	49
90	A classification tool for N-way array based on SIMCA methodology. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011, 106, 73-85.	1.8	49

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91	Data fusion in metabolomic cancer diagnostics. <i>Metabolomics</i> , 2013, 9, 3-8.	1.4	49
92	Determination of the Botanical Origin of Honey by Front-Face Synchronous Fluorescence Spectroscopy. <i>Applied Spectroscopy</i> , 2014, 68, 557-563.	1.2	49
93	Chemometric Analysis of Organic Matter Fluorescence. , 2014, , 339-375.		49
94	Diagnosing Latent Copper Deficiency in Intact Barley Leaves (<i>Hordeum vulgare</i> , L.) Using Near Infrared Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 10901-10910.	2.4	47
95	Joint Tensor Factorization and Outlying Slab Suppression With Applications. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 6315-6328.	3.2	47
96	Spectral reflectance at sub-leaf scale including the spatial distribution discriminating NPK stress characteristics in barley using multiway partial least squares regression. <i>International Journal of Remote Sensing</i> , 2007, 28, 943-962.	1.3	46
97	Analysis of sensory data of Aceto Balsamico Tradizionale di Modena (ABTM) of different ageing by application of PARAFAC models. <i>Food Quality and Preference</i> , 2006, 17, 419-428.	2.3	45
98	PARAFAC models of fluorescence data with scattering: A comparative study. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 142, 124-130.	1.8	45
99	Active Photosensitizers in Butter Detected by Fluorescence Spectroscopy and Multivariate Curve Resolution. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 10197-10204.	2.4	43
100	Loopy MSC: A Simple Way to Improve Multiplicative Scatter Correction. <i>Applied Spectroscopy</i> , 2008, 62, 1153-1159.	1.2	41
101	Fluorescence spectroscopy as a potential metabolomic tool for early detection of colorectal cancer. <i>Metabolomics</i> , 2012, 8, 111-121.	1.4	40
102	The Use of Visible and Near-Infrared Reflectance Measurements to assess Sensory Changes in Carrot Texture and Sweetness during Heat Treatment. <i>Biosystems Engineering</i> , 2003, 85, 213-225.	1.9	39
103	A new approach for modelling sensor based data. <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 719-729.	4.0	39
104	PowerSlicing. <i>Journal of Magnetic Resonance</i> , 2003, 163, 192-197.	1.2	38
105	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
106	Multiway models for sensory profiling data. <i>Journal of Chemometrics</i> , 2008, 22, 36-45.	0.7	38
107	Core consistency diagnostic in PARAFAC2. <i>Journal of Chemometrics</i> , 2013, 27, 99-105.	0.7	38
108	Univariate and multivariate modelling of flavour release in chewing gum using time-intensity: a comparison of data analytical methods. <i>Food Quality and Preference</i> , 2005, 16, 327-343.	2.3	37

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109	Real-time monitoring and chemical profiling of a cultivation process. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 84, 106-113.	1.8	37
110	A comparison of a common approach to partial least squares-discriminant analysis and classical least squares in hyperspectral imaging. <i>International Journal of Pharmaceutics</i> , 2009, 373, 179-182.	2.6	37
111	Exploring Fluorescence Spectra of Apple Juice and Their Connection to Quality Parameters by Chemometrics. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 3202-3205.	2.4	36
112	PLS works. <i>Journal of Chemometrics</i> , 2009, 23, 69-71.	0.7	36
113	Extension of SO-PLS to multi-way arrays: SO-N-PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 164, 113-126.	1.8	36
114	Benchmarking support vector regression against partial least squares regression and artificial neural network: Effect of sample size on model performance. <i>Journal of Near Infrared Spectroscopy</i> , 2017, 25, 381-390.	0.8	36
115	Fluorescence spectroscopy and chemometrics for classification of breast cancer samples—a feasibility study using extended canonical variates analysis. <i>Journal of Chemometrics</i> , 2007, 21, 451-458.	0.7	35
116	Data Pre-processing. , 2009, , 29-50.		34
117	Multiscale entropy analysis of resting-state magnetoencephalogram with tensor factorisations in Alzheimer's disease. <i>Brain Research Bulletin</i> , 2015, 119, 136-144.	1.4	34
118	Using PAT to accelerate the transition to continuous API manufacturing. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 821-832.	1.9	34
119	Temperature-induced variation for NIR tensor-based calibration. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 83, 75-82.	1.8	33
120	Discriminating olive and non-olive oils using HPLC-CAD and chemometrics. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2083-2092.	1.9	33
121	Coclustering—a useful tool for chemometrics. <i>Journal of Chemometrics</i> , 2012, 26, 256-263.	0.7	33
122	Multiway chemometric analysis of the metabolic response to toxins monitored by NMR. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 76, 79-89.	1.8	32
123	Development of models for predicting toxicity from sediment chemistry by partial least squares-discriminant analysis and counter-propagation artificial neural networks. <i>Environmental Pollution</i> , 2010, 158, 607-614.	3.7	32
124	Mathematical chromatography solves the cocktail party effect in mixtures using 2D spectra and PARAFAC. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 281-284.	5.8	32
125	USE OF PHYSICO-CHEMICAL METHODS FOR ASSESSMENT OF SENSORY CHANGES IN CARROT TEXTURE AND SWEETNESS DURING COOKING. <i>Journal of Texture Studies</i> , 2002, 33, 367-388.	1.1	31
126	Lameness detection challenges in automated milking systems addressed with partial least squares discriminant analysis. <i>Journal of Dairy Science</i> , 2014, 97, 7476-7486.	1.4	31

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127	Standard error of prediction for multilinear PLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 75, 69-76.	1.8	29
128	Finding relevant spectral regions between spectroscopic techniques by use of cross model validation and partial least squares regression. <i>Analytica Chimica Acta</i> , 2007, 595, 323-327.	2.6	29
129	Application of Support Vector Regression for Simultaneous Modelling of near Infrared Spectra from Multiple Process Steps. <i>Journal of Near Infrared Spectroscopy</i> , 2015, 23, 75-84.	0.8	28
130	Maternal obesity and offspring dietary patterns at 9 months of age. <i>European Journal of Clinical Nutrition</i> , 2015, 69, 668-675.	1.3	28
131	Exploring complex interactions in designed data using GEMANOVA. Color changes in fresh beef during storage. <i>Journal of Chemometrics</i> , 2002, 16, 294-304.	0.7	27
132	Automated resolution of overlapping peaks in chromatographic data. <i>Journal of Chemometrics</i> , 2014, 28, 71-82.	0.7	25
133	Least squares algorithms under unimodality and non-negativity constraints. <i>Journal of Chemometrics</i> , 1998, 12, 223-247.	0.7	25
134	Effects of windbreak strips of willow coppice—modelling and field experiment on barley in Denmark. <i>Agriculture, Ecosystems and Environment</i> , 2002, 93, 25-32.	2.5	23
135	Prediction of sensory quality in raw carrots (<i>Daucus carota</i> L.) using multi-block LS-ParPLS. <i>Food Quality and Preference</i> , 2008, 19, 609-617.	2.3	22
136	Chemometric quality control of chromatographic purity. <i>Journal of Chromatography A</i> , 2010, 1217, 6503-6510.	1.8	22
137	A chemometric approach to the environmental problem of predicting toxicity in contaminated sediments. <i>Journal of Chemometrics</i> , 2010, 24, 379-386.	0.7	21
138	Tucker core consistency for validation of restricted Tucker3 models. <i>Analytica Chimica Acta</i> , 2012, 723, 18-26.	2.6	21
139	Determination of the protein content in brine from salted herring using near-infrared spectroscopy. <i>LWT - Food Science and Technology</i> , 2004, 37, 803-809.	2.5	20
140	Practical comparison of multivariate chemometric techniques for pattern recognition used in environmental monitoring. <i>Analytical Methods</i> , 2012, 4, 676.	1.3	20
141	Classification Methods of Multiway Arrays as a Basic Tool for Food PDO Authentication. <i>Comprehensive Analytical Chemistry</i> , 2013, , 339-382.	0.7	20
142	An automated method for baseline correction, peak finding and peak grouping in chromatographic data. <i>Analyst</i> , 2013, 138, 3502.	1.7	20
143	Can We Trust Score Plots?. <i>Metabolites</i> , 2020, 10, 278.	1.3	20
144	Prediction of Polyphenol Oxidase Activity in Model Solutions Containing Various Combinations of Chlorogenic Acid, (âˆ™)-Epicatechin, O ₂ , CO ₂ , Temperature, and pH by Multiway Data Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 2399-2406.	2.4	19

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145	A metabolomic investigation of splanchnic metabolism using ¹ H NMR spectroscopy of bovine blood plasma. <i>Analytica Chimica Acta</i> , 2005, 536, 1-6.	2.6	19
146	Vibrational overtone combination spectroscopy (VOCSY)â€”a new way of using IR and NIR data. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 179-188.	1.9	19
147	Prediction of skin quality properties by different Multivariate Image Analysis methodologies. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 6-13.	1.8	19
148	Image analysis for maintenance of coating quality in nickel electroplating baths â€” Real time control. <i>Analytica Chimica Acta</i> , 2011, 706, 1-7.	2.6	19
149	From untargeted chemical profiling to peak tables â€” A fully automated AI driven approach to untargeted GC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 145, 116451.	5.8	19
150	Direct Measurement of Lipid Peroxidation in Oil-in-Water Emulsions Using Multiwavelength Derivative UV-Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 1997, 45, 1741-1745.	2.4	18
151	Calibration, standardization, and quantitative analysis of multidimensional fluorescence (MDF) measurements on complex mixtures (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2017, 89, 1849-1870.	0.9	18
152	Coupled Matrix Factorization with Sparse Factors to Identify Potential Biomarkers in Metabolomics. , 2012, , .		17
153	Structure-revealing data fusion model with applications in metabolomics. , 2013, 2013, 6023-6.		17
154	A Metabolomic Approach to Beer Characterization. <i>Molecules</i> , 2021, 26, 1472.	1.7	17
155	Classification of Membrane Permeability of Drug Candidates: A Methodological Investigation. <i>QSAR and Combinatorial Science</i> , 2005, 24, 449-457.	1.5	16
156	Multivariate evaluation of pharmacological responses in early clinical trials â€” a study of rILâ€”21 in the treatment of patients with metastatic melanoma. <i>British Journal of Clinical Pharmacology</i> , 2010, 69, 379-390.	1.1	16
157	Geometric search: A new approach for fitting PARAFAC2 models on GC-MS data. <i>Talanta</i> , 2018, 185, 378-386.	2.9	16
158	Laser-induced breakdown spectroscopy (LIBS) spectra interpretation and characterization using parallel factor analysis (PARAFAC): a new procedure for data and spectral interference processing fostering the waste electrical and electronic equipment (WEEE) recycling process. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1115-1124.	1.6	16
159	Mathematical programming algorithms for regression-based nonlinear filtering in R/sup N/. <i>IEEE Transactions on Signal Processing</i> , 1999, 47, 771-782.	3.2	15
160	Generalized correlation loadings. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 84, 119-125.	1.8	15
161	Application of Multi-Way Analysis to 2D NMR Data. <i>Annual Reports on NMR Spectroscopy</i> , 2006, 59, 207-233.	0.7	15
162	Seizure Recognition on Epilepsy Feature Tensor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4273-6.	0.5	15

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163	DoubleSlicing: A non-iterative single profile multi-exponential curve resolution procedure. Journal of Magnetic Resonance, 2007, 189, 286-292.	1.2	15
164	Flatbed scanners as a source of imaging. Brightness assessment and additives determination in a nickel electroplating bath. Analytica Chimica Acta, 2011, 694, 38-45.	2.6	15
165	Experienced and inexperienced observers achieved relatively high within-observer agreement on video mobility scoring of dairy cows. Journal of Dairy Science, 2015, 98, 4560-4571.	1.4	15
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