

Peter Filzmoser

List of Publications by Year in descending order

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Version: 2024-02-01

230
papers

12,420
citations

31976

53
h-index

33894

99
g-index

248
all docs

248
docs citations

248
times ranked

12104
citing authors

#	ARTICLE	IF	CITATIONS
1	Background and threshold: critical comparison of methods of determination. <i>Science of the Total Environment</i> , 2005, 346, 1-16.	8.0	639
2	Normal and lognormal data distribution in geochemistry: death of a myth. Consequences for the statistical treatment of geochemical and environmental data. <i>Environmental Geology</i> , 2000, 39, 1001-1014.	1.2	518
3	Introduction to Multivariate Statistical Analysis in Chemometrics. , 0, , .		500
4	Factor analysis applied to regional geochemical data: problems and possibilities. <i>Applied Geochemistry</i> , 2002, 17, 185-206.	3.0	452
5	Principal component analysis for compositional data with outliers. <i>Environmetrics</i> , 2009, 20, 621-632.	1.4	376
6	Repeated double cross validation. <i>Journal of Chemometrics</i> , 2009, 23, 160-171.	1.3	375
7	Univariate statistical analysis of environmental (compositional) data: Problems and possibilities. <i>Science of the Total Environment</i> , 2009, 407, 6100-6108.	8.0	354
8	Multivariate outlier detection in exploration geochemistry. <i>Computers and Geosciences</i> , 2005, 31, 579-587.	4.2	329
9	Outlier identification in high dimensions. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 1694-1711.	1.2	313
10	Cluster analysis applied to regional geochemical data: Problems and possibilities. <i>Applied Geochemistry</i> , 2008, 23, 2198-2213.	3.0	297
11	An Object-Oriented Framework for Robust Multivariate Analysis. <i>Journal of Statistical Software</i> , 2009, 32, .	3.7	232
12	Imputation of missing values for compositional data using classical and robust methods. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 3095-3107.	1.2	216
13	The concept of compositional data analysis in practice â€” Total major element concentrations in agricultural and grazing land soils of Europe. <i>Science of the Total Environment</i> , 2012, 426, 196-210.	8.0	211
14	Algorithms for Projectionâ€”Pursuit robust principal component analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2007, 87, 218-225.	3.5	204
15	Robust fitting of mixtures using the trimmed likelihood estimator. <i>Computational Statistics and Data Analysis</i> , 2007, 52, 299-308.	1.2	181
16	Outlier Detection for Compositional Data Using Robust Methods. <i>Mathematical Geosciences</i> , 2008, 40, 233-248.	2.4	178
17	Bayesian-multiplicative treatment of count zeros in compositional data sets. <i>Statistical Modelling</i> , 2015, 15, 134-158.	1.1	175
18	Partial robust M-regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 79, 55-64.	3.5	166

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19	The bivariate statistical analysis of environmental (compositional) data. <i>Science of the Total Environment</i> , 2010, 408, 4230-4238.	8.0	160
20	Applied Compositional Data Analysis. Springer Series in Statistics, 2018, , .	0.9	150
21	Beyond Noise: Using Temporal ICA to Extract Meaningful Information from High-Frequency fMRI Signal Fluctuations during Rest. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 168.	2.0	149
22	GEMAS: Establishing geochemical background and threshold for 53 chemical elements in European agricultural soil. <i>Applied Geochemistry</i> , 2018, 88, 302-318.	3.0	143
23	Robust factor analysis. <i>Journal of Multivariate Analysis</i> , 2003, 84, 145-172.	1.0	138
24	Linear regression with compositional explanatory variables. <i>Journal of Applied Statistics</i> , 2012, 39, 1115-1128.	1.3	132
25	Testing hypotheses with fuzzy data: The fuzzy p -value. <i>Metrika</i> , 2004, 59, 21-29.	0.8	129
26	Exploratory factor analysis revisited: How robust methods support the detection of hidden multivariate data structures in IS research. <i>Information and Management</i> , 2010, 47, 197-207.	6.5	125
27	Model-based replacement of rounded zeros in compositional data: Classical and robust approaches. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 2688-2704.	1.2	118
28	Robust factor analysis for compositional data. <i>Computers and Geosciences</i> , 2009, 35, 1854-1861.	4.2	116
29	There and back again: Outlier detection between statistical reasoning and data mining algorithms. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018, 8, e1280.	6.8	108
30	Iterative stepwise regression imputation using standard and robust methods. <i>Computational Statistics and Data Analysis</i> , 2011, 55, 2793-2806.	1.2	107
31	Critical remarks on the use of terrestrial moss (<i>Hylocomium splendens</i> and <i>Pleurozium schreberi</i>) for monitoring of airborne pollution. <i>Environmental Pollution</i> , 2001, 113, 41-57.	7.5	104
32	Uncertainty-aware Exploration of Continuous Parameter Spaces Using Multivariate Prediction. <i>Computer Graphics Forum</i> , 2011, 30, 911-920.	3.0	101
33	Correlation Analysis for Compositional Data. <i>Mathematical Geosciences</i> , 2009, 41, 905-919.	2.4	99
34	A new method for correlation analysis of compositional (environmental) data – a worked example. <i>Science of the Total Environment</i> , 2017, 607-608, 965-971.	8.0	99
35	Bottled drinking water: Water contamination from bottle materials (glass, hard PET, soft PET), the influence of colour and acidification. <i>Applied Geochemistry</i> , 2010, 25, 1030-1046.	3.0	98
36	Top-/bottom-soil ratios and enrichment factors: What do they really show?. <i>Applied Geochemistry</i> , 2012, 27, 138-145.	3.0	97

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37	Review of sparse methods in regression and classification with application to chemometrics. <i>Journal of Chemometrics</i> , 2012, 26, 42-51.	1.3	97
38	A hierarchical clustering method for analyzing functional MR images. <i>Magnetic Resonance Imaging</i> , 1999, 17, 817-826.	1.8	91
39	Interpretation of multivariate outliers for compositional data. <i>Computers and Geosciences</i> , 2012, 39, 77-85.	4.2	89
40	Correlation Between Compositional Parts Based on Symmetric Balances. <i>Mathematical Geosciences</i> , 2017, 49, 777-796.	2.4	87
41	What can go wrong at the data normalization step for identification of biomarkers?. <i>Journal of Chromatography A</i> , 2014, 1362, 194-205.	3.7	86
42	Exploring incomplete data using visualization techniques. <i>Advances in Data Analysis and Classification</i> , 2012, 6, 29-47.	1.4	84
43	Robust Sparse Principal Component Analysis. <i>Technometrics</i> , 2013, 55, 202-214.	1.9	83
44	Bioavailable $^{87}\text{Sr}/^{86}\text{Sr}$ in European soils: A baseline for provenancing studies. <i>Science of the Total Environment</i> , 2019, 672, 1033-1044.	8.0	81
45	Element concentrations and variations along a 120-km transect in southern Norway – Anthropogenic vs. geogenic vs. biogenic element sources and cycles. <i>Applied Geochemistry</i> , 2007, 22, 851-871.	3.0	79
46	PLS-DA for compositional data with application to metabolomics. <i>Journal of Chemometrics</i> , 2015, 29, 21-28.	1.3	79
47	The Spectral Diversity of Resting-State Fluctuations in the Human Brain. <i>PLoS ONE</i> , 2014, 9, e93375.	2.5	76
48	The single component geochemical map: Fact or fiction?. <i>Journal of Geochemical Exploration</i> , 2016, 162, 16-28.	3.2	73
49	Is inducibility of atrial fibrillation after radio frequency ablation really a relevant prognostic factor?. <i>European Heart Journal</i> , 2006, 27, 2553-2559.	2.2	69
50	Brushing Dimensions - A Dual Visual Analysis Model for High-Dimensional Data. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2011, 17, 2591-2599.	4.4	68
51	Robust statistic for the one-way MANOVA. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 37-48.	1.2	63
52	Simplicial principal component analysis for density functions in Bayes spaces. <i>Computational Statistics and Data Analysis</i> , 2016, 94, 330-350.	1.2	61
53	Locally centred Mahalanobis distance: A new distance measure with salient features towards outlier detection. <i>Analytica Chimica Acta</i> , 2013, 787, 1-9.	5.4	60
54	Sequential Factor Analysis as a new approach to multivariate analysis of heterogeneous geochemical datasets: An application to a bulk chemical characterization of fluvial deposits (Rhine-Meuse delta, Tj ETQq0 0 OrgBT /Overlock 10 T		

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55	Robust feature selection and robust PCA for internet traffic anomaly detection. , 2012, , .		57
56	Fully exploratory network independent component analysis of the 1000 functional connectomes database. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 301.	2.0	55
57	Review of robust multivariate statistical methods in high dimension. <i>Analytica Chimica Acta</i> , 2011, 705, 2-14.	5.4	54
58	Robust principal component and factor analysis in the geostatistical treatment of environmental data. <i>Environmetrics</i> , 1999, 10, 363-375.	1.4	51
59	Active Middle Ear Implant Compared With Open-Fit Hearing Aid in Sloping High-Frequency Sensorineural Hearing Loss. <i>Otology and Neurotology</i> , 2010, 31, 424-429.	1.3	51
60	The performance of moss, grass, and 1- and 2-year old spruce needles as bioindicators of contamination: A comparative study at the scale of the Czech Republic. <i>Science of the Total Environment</i> , 2011, 409, 2281-2297.	8.0	50
61	Simulation of close-to-reality population data for household surveys with application to EU-SILC. <i>Statistical Methods and Applications</i> , 2011, 20, 383-407.	1.2	50
62	Comparison of zero replacement strategies for compositional data with large numbers of zeros. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 210, 104248.	3.5	50
63	Robust and sparse estimation methods for high-dimensional linear and logistic regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 172, 211-222.	3.5	49
64	Robust canonical correlations: A comparative study. <i>Computational Statistics</i> , 2005, 20, 203-229.	1.5	46
65	Identification of local multivariate outliers. <i>Statistical Papers</i> , 2014, 55, 29-47.	1.2	46
66	Weighted Pivot Coordinates for Compositional Data and Their Application to Geochemical Mapping. <i>Mathematical Geosciences</i> , 2017, 49, 797-814.	2.4	46
67	Dynamic log file analysis: An unsupervised cluster evolution approach for anomaly detection. <i>Computers and Security</i> , 2018, 79, 94-116.	6.0	44
68	Visual Analytics for Model Selection in Time Series Analysis. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2013, 19, 2237-2246.	4.4	43
69	Meta-analysis: Fact or fiction? How to interpret meta-analyses. <i>World Journal of Biological Psychiatry</i> , 2011, 12, 188-200.	2.6	42
70	A comparison of algorithms for the multivariate L 1-median. <i>Computational Statistics</i> , 2012, 27, 393-410.	1.5	42
71	Robust estimation of economic indicators from survey samples based on Pareto tail modelling. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2013, 62, 271-286.	1.0	42
72	Geochemical Sourcing of Flint Artifacts from Western Belgium and the German Rhineland: Testing Hypotheses on Gravettian Period Mobility and Raw Material Economy. <i>Geoarchaeology - an International Journal</i> , 2016, 31, 229-243.	1.5	41

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73	Robust continuum regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 76, 197-204.	3.5	40
74	Discriminant analysis for compositional data and robust parameter estimation. <i>Computational Statistics</i> , 2012, 27, 585-604.	1.5	40
75	Fitting multiplicative models by robust alternating regressions. <i>Statistics and Computing</i> , 2003, 13, 23-36.	1.5	39
76	Spatial distribution of lead and lead isotopes in soil B-horizon, forest-floor humus, grass (<i>Avenella</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1205-1214.	3.0	36
77	Temperature-dependent leaching of chemical elements from mineral water bottle materials. <i>Applied Geochemistry</i> , 2012, 27, 1492-1498.	3.0	36
78	Detection of multivariate outliers in business survey data with incomplete information. <i>Advances in Data Analysis and Classification</i> , 2011, 5, 37-56.	1.4	35
79	RESCALE: Voxel-specific task-fMRI scaling using resting state fluctuation amplitude. <i>NeuroImage</i> , 2013, 70, 80-88.	4.2	34
80	Robust tools for the imperfect world. <i>Information Sciences</i> , 2013, 245, 4-20.	6.9	33
81	A multi-technique analytical approach to sourcing Scandinavian flint: Provenance of ballast flint from the shipwreck <i>Leirvigen</i> in Norway. <i>PLoS ONE</i> , 2018, 13, e0200647.	2.5	32
82	Sparse partial robust M regression. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 149, 50-59.	3.5	31
83	Imputation of rounded zeros for high-dimensional compositional data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016, 155, 183-190.	3.5	30
84	Modeling Compositional Time Series with Vector Autoregressive Models. <i>Journal of Forecasting</i> , 2015, 34, 303-314.	2.8	29
85	Compositional biplots including external non-compositional variables. <i>Statistics</i> , 2016, 50, 1132-1148.	0.6	29
86	MULTIVARIATE LINEAR QSPR/QSAR MODELS: RIGOROUS EVALUATION OF VARIABLE SELECTION FOR PLS. <i>Computational and Structural Biotechnology Journal</i> , 2013, 5, e201302007.	4.1	27
87	Phenological patterns of flowering across biogeographical regions of Europe. <i>International Journal of Biometeorology</i> , 2017, 61, 1347-1358.	3.0	27
88	Linking chemical elements in forest floor humus (Oh-horizon) in the Czech Republic to contamination sources. <i>Environmental Pollution</i> , 2011, 159, 1205-1214.	7.5	25
89	Inorganic chemical quality of European tap-water: 2. Geographical distribution. <i>Applied Geochemistry</i> , 2015, 59, 211-224.	3.0	25
90	Robust linear regression for high-dimensional data: An overview. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2021, 13, e1524.	3.9	25

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91	An Object-Oriented Framework for Statistical Simulation: The <code>simFrame</code> Package. Journal of Statistical Software, 2010, 37, .	3.7	25
92	Blind Source Separation for Spatial Compositional Data. Mathematical Geosciences, 2015, 47, 753-770.	2.4	24
93	Effects of sewage sludge application on unfertile tropical soils evaluated by multiple approaches: A field experiment in a commercial Eucalyptus plantation. Science of the Total Environment, 2019, 655, 1457-1467.	8.0	24
94	Evaluation of robust outlier detection methods for zero-inflated complex data. Journal of Applied Statistics, 2020, 47, 1144-1167.	1.3	24
95	KNN classification evaluated by repeated double cross validation: Recognition of minerals relevant for comet dust. Chemometrics and Intelligent Laboratory Systems, 2014, 138, 64-71.	3.5	23
96	Graphical statistics to explore the natural and anthropogenic processes influencing the inorganic quality of drinking water, ground water and surface water. Applied Geochemistry, 2018, 88, 133-148.	3.0	23
97	Robust and sparse k-means clustering for high-dimensional data. Advances in Data Analysis and Classification, 2019, 13, 905.	1.4	23
98	Classical and Robust Regression Analysis with Compositional Data. Mathematical Geosciences, 2021, 53, 823-858.	2.4	23
99	Robust and classical PLS regression compared. Journal of Chemometrics, 2010, 24, 111-120.	1.3	22
100	Brushing Moments in Interactive Visual Analysis. Computer Graphics Forum, 2010, 29, 813-822.	3.0	22
101	Robust joint modeling of mean and dispersion through trimming. Computational Statistics and Data Analysis, 2012, 56, 34-48.	1.2	22
102	GEMAS: CNS concentrations and C/N ratios in European agricultural soil. Science of the Total Environment, 2018, 627, 975-984.	8.0	22
103	Radiolarite studies at Krems-Wachtberg (Lower Austria): Northern Alpine versus Carpathian lithic resources. Quaternary International, 2014, 351, 146-162.	1.5	21
104	Error Propagation in Isometric Log-ratio Coordinates for Compositional Data: Theoretical and Practical Considerations. Mathematical Geosciences, 2016, 48, 941-961.	2.4	21
105	Robust Methods for Canonical Correlation Analysis. Studies in Classification, Data Analysis, and Knowledge Organization, 2000, , 321-326.	0.2	21
106	Geosphere-biosphere circulation of chemical elements in soil and plant systems from a 100-km transect from southern central Norway. Science of the Total Environment, 2018, 639, 129-145.	8.0	20
107	Random projection experiments with chemometric data. Journal of Chemometrics, 2010, 24, 209-217.	1.3	18
108	Robust Maximum Association Estimators. Journal of the American Statistical Association, 2017, 112, 436-445.	3.1	18

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109	The least trimmed quantile regression. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 1757-1770.	1.2	17
110	Effects of supervised Self Organising Maps parameters on classification performance. <i>Analytica Chimica Acta</i> , 2013, 765, 45-53.	5.4	17
111	Combining place names and scientific knowledge on soil resources through an integrated ethnopeological approach. <i>Catena</i> , 2016, 142, 89-101.	5.0	17
112	Graph Embedding Based Recommendation Techniques on the Knowledge Graph. , 2017, , .		17
113	Statistical methods for the geochemical characterisation of surface waters: The case study of the Tiber River basin (Central Italy). <i>Computers and Geosciences</i> , 2019, 131, 80-88.	4.2	17
114	Changes in the fish species composition of all Austrian lakes >50 ha during the last 150 years. <i>Fisheries Management and Ecology</i> , 2006, 13, 103-111.	2.0	16
115	Robust biomarker identification in a two-class problem based on pairwise log-ratios. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 171, 277-285.	3.5	16
116	U-Th signatures of agricultural soil at the European continental scale (GEMAS): Distribution, weathering patterns and processes controlling their concentrations. <i>Science of the Total Environment</i> , 2018, 622-623, 1277-1293.	8.0	16
117	Characterisation of the potamal Danube River and the Delta: connectivity determines indicative macrophyte assemblages. <i>Hydrobiologia</i> , 2011, 671, 75-93.	2.0	15
118	Statistical analysis of wines using a robust compositional biplot. <i>Talanta</i> , 2012, 90, 46-50.	5.5	15
119	Sparse principal balances. <i>Statistical Modelling</i> , 2015, 15, 159-174.	1.1	15
120	Sparse and robust PLS for binary classification. <i>Journal of Chemometrics</i> , 2016, 30, 153-162.	1.3	15
121	Compositional data analysis in epidemiology. <i>Statistical Methods in Medical Research</i> , 2018, 27, 1878-1891.	1.5	15
122	Analysing Pairwise Logratios Revisited. <i>Mathematical Geosciences</i> , 2021, 53, 1643-1666.	2.4	15
123	nsROC: An R package for Non-Standard ROC Curve Analysis. <i>R Journal</i> , 2019, 10, 55.	1.8	15
124	A highly parallelized framework for computationally intensive MR data analysis. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 313-320.	2.0	14
125	Similarities in element $\delta^{15}\text{N}$ content between comet 67P/Churyumov-Gerasimenko coma dust and selected meteorite samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, S492-S505.	4.4	14
126	Data Normalization and Scaling: Consequences for the Analysis in Omics Sciences. <i>Comprehensive Analytical Chemistry</i> , 2018, 82, 165-196.	1.3	14

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127	Cellwise robust M regression. Computational Statistics and Data Analysis, 2020, 147, 106944.	1.2	14
128	Random projection for dimensionality reductionâ€”Applied to time-of-flight secondary ion mass spectrometry data. Analytica Chimica Acta, 2011, 705, 48-55.	5.4	13
129	Exploratory tools for outlier detection in compositional data with structural zeros. Journal of Applied Statistics, 2017, 44, 734-752.	1.3	13
130	Time Series Analysis: Unsupervised Anomaly Detection Beyond Outlier Detection. Lecture Notes in Computer Science, 2018, , 19-36.	1.3	13
131	First Geochemical â€”Fingerprintingâ€” of Balkan and Prut Flint from Palaeolithic Romania: Potentials, Limitations and Future Directions. Archaeometry, 2019, 61, 521-538.	1.3	13
132	Robust Multivariate Methods in Chemometrics. , 2009, , 681-722.		12
133	Ultrahigh dimensional variable selection through the penalized maximum trimmed likelihood estimator. Statistical Papers, 2014, 55, 187-207.	1.2	12
134	Multivariate Outlier Detection in Applied Data Analysis: Global, Local, Compositional and Cellwise Outliers. Mathematical Geosciences, 2020, 52, 1049-1066.	2.4	12
135	Visually and statistically guided imputation of missing values in univariate seasonal time series. , 2015, , .		11
136	Simulation and quality of a synthetic close-to-reality employerâ€”employee population. Journal of Applied Statistics, 2014, 41, 1053-1072.	1.3	10
137	A generic model for the integration of interactive visualization and statistical computing using R. , 2012, , .		9
138	On the generalizability of resting-state fMRI machine learning classifiers. Frontiers in Human Neuroscience, 2014, 8, 502.	2.0	9
139	Comment on â€œMaps of heavy metals in the soils of the European Union and proposed priority areas for detailed assessmentâ€”by TÃ¡th, G., Hermann, T., SzatmÃ¡ri, G., PÃ¡sstor, L.. Science of the Total Environment, 2017, 578, 236-241.	8.0	9
140	The impact of wildland fires on calcareous Mediterranean pedosystems (Sardinia, Italy) â€” An integrated multiple approach. Science of the Total Environment, 2018, 624, 1152-1162.	8.0	9
141	A Robust Approach to Risk Assessment Based on Species Sensitivity Distributions. Risk Analysis, 2018, 38, 2073-2086.	2.7	9
142	A robust Parafac model for compositional data. Journal of Applied Statistics, 2018, 45, 1347-1369.	1.3	9
143	Visualizing the decision rules behind the ROC curves: understanding the classification process. AS&A Advances in Statistical Analysis, 2021, 105, 135-161.	0.9	9
144	Covariance-Based Variable Selection for Compositional Data. Mathematical Geosciences, 2013, 45, 487-498.	2.4	8

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145	Robust scale estimators for fuzzy data. <i>Advances in Data Analysis and Classification</i> , 2017, 11, 731-758.	1.4	8
146	Weighted Symmetric Pivot Coordinates for Compositional Data with Geochemical Applications. <i>Mathematical Geosciences</i> , 2021, 53, 655-674.	2.4	8
147	Blind Source Separation for Compositional Time Series. <i>Mathematical Geosciences</i> , 2021, 53, 905-924.	2.4	8
148	GEMAS: Geochemical distribution of Mg in agricultural soil of Europe. <i>Journal of Geochemical Exploration</i> , 2021, 221, 106706.	3.2	8
149	Reply to the comment "Bottled drinking water: Water contamination from bottle materials (glass.)" <i>Tj ETQq1 1 Geochemistry</i> , 2010, 25, 1464-1465.	0.784314 3.0	7
150	Classical and robust orthogonal regression between parts of compositional data. <i>Statistics</i> , 2016, 50, 1261-1275.	0.6	7
151	Robust second-order least-squares estimation for regression models with autoregressive errors. <i>Statistical Papers</i> , 2019, 60, 105-122.	1.2	7
152	Robust logistic zero-sum regression for microbiome compositional data. <i>Advances in Data Analysis and Classification</i> , 2022, 16, 301-324.	1.4	7
153	Robust Maximum Association Between Data Sets: The R Package ccaPP. <i>Austrian Journal of Statistics</i> , 2016, 45, 71-79.	0.6	7
154	Robust variable selection with application to quality of life research. <i>Statistical Methods and Applications</i> , 2011, 20, 65-82.	1.2	6
155	Generalized box-plot for root growth ensembles. <i>BMC Bioinformatics</i> , 2017, 18, 65.	2.6	6
156	Cycle Plot Revisited: Multivariate Outlier Detection Using a Distance-Based Abstraction. <i>Computer Graphics Forum</i> , 2017, 36, 227-238.	3.0	6
157	The response of 12 different plant materials and one mushroom to Mo and Pb mineralization along a 100-km transect in southern central Norway. <i>Geochemistry: Exploration, Environment, Analysis</i> , 2018, 18, 204-215.	0.9	6
158	Cellwise outlier detection and biomarker identification in metabolomics based on pairwise log ratios. <i>Journal of Chemometrics</i> , 2020, 34, e3182.	1.3	6
159	Weighting of Parts in Compositional Data Analysis: Advances and Applications. <i>Mathematical Geosciences</i> , 2022, 54, 71-93.	2.4	6
160	Sparse least trimmed squares regression with compositional covariates for high-dimensional data. <i>Bioinformatics</i> , 2021, 37, 3805-3814.	4.1	6
161	Robustness for Compositional Data. , 2013, , 117-131.		6
162	Estimation of a proportion in survey sampling using the logratio approach. <i>Metrika</i> , 2013, 76, 799-818.	0.8	5

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163	Comparing Classical and Robust Sparse PCA. <i>Advances in Intelligent Systems and Computing</i> , 2013, , 283-291.	0.6	5
164	Exploratory data analysis for interval compositional data. <i>Advances in Data Analysis and Classification</i> , 2017, 11, 223-241.	1.4	5
165	Clustering of imbalanced high-dimensional media data. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 261-284.	1.4	5
166	A robust Liu regression estimator. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2018, 47, 432-443.	1.2	5
167	pXRF Measurements on Soil Samples for the Exploration of an Antimony Deposit: Example from the Vendean Antimony District (France). <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 724.	2.0	5
168	Location-Free Robust Scale Estimates for Fuzzy Data. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1682-1694.	9.8	5
169	A multivariate test for detecting fraud based on Benford's law, with application to music streaming data. <i>Statistical Methods and Applications</i> , 2021, 30, 819-840.	1.2	5
170	Robust Redundancy Analysis by Alternating Regression. , 2004, , 235-246.		5
171	Outlier resistant estimators for canonical correlation analysis. , 2000, , 301-306.		5
172	Robust principal component analysis for compositional tables. <i>Journal of Applied Statistics</i> , 2021, 48, 214-233.	1.3	5
173	Algorithms for Projection-Pursuit Robust Principal Component Analysis. <i>SSRN Electronic Journal</i> , 2006, , .	0.4	4
174	Redundancy analysis for characterizing the correlation between groups of variables - Applied to molecular descriptors. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 117, 31-41.	3.5	4
175	Outlier detection in interval data. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 785-822.	1.4	4
176	Compositional Data as a Methodological Concept. <i>Springer Series in Statistics</i> , 2018, , 1-16.	0.9	4
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