Peter Filzmoser

List of Publications by Year
in descending order

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	Weighting of Parts in Compositional Data Analysis: Advances and Applications. Mathematical Geosciences, 2022, 54, 71-93.	2.4	6
2	Robust logistic zero-sum regression for microbiome compositional data. Advances in Data Analysis and Classification, 2022, 16, 301-324.	1.4	7
3	Robust linear regression for high‑dimensional data: An overview. Wiley Interdisciplinary Reviews: Computational Statistics, 2021, 13, e1524.	3.9	25
4	Location-Free Robust Scale Estimates for Fuzzy Data. IEEE Transactions on Fuzzy Systems, 2021, 29, 1682-1694.	9.8	5
5	Weighted Symmetric Pivot Coordinates for Compositional Data with Geochemical Applications. Mathematical Geosciences, 2021, 53, 655-674.	2.4	8
6	Blind Source Separation for Compositional Time Series. Mathematical Geosciences, 2021, 53, 905-924.	2.4	8
7	Local projections for high-dimensional outlier detection. Metron, 2021, 79, 189-206.	1.2	1
8	GEMAS: Geochemical distribution of Mg in agricultural soil of Europe. Journal of Geochemical Exploration, 2021, 221, 106706.	3.2	8
9	A robust adaptive modified maximum likelihood estimator for the linear regression model. Journal of Statistical Computation and Simulation, 2021, 91, 1394-1414.	1.2	0
10	Visualizing the decision rules behind the ROC curves: understanding the classification process. AStA Advances in Statistical Analysis, 2021, 105, 135-161.	0.9	9
11	Classical and Robust Regression Analysis with Compositional Data. Mathematical Geosciences, 2021, 53, 823-858.	2.4	23
12	Robust Statistics. Encyclopedia of Earth Sciences Series, 2021, , 1-5.	0.1	0
13	Logratio Approach to Distributional Modeling. , 2021, , 451-470.		0
14	Robust regression with compositional covariates including cellwise outliers. Advances in Data Analysis and Classification, 2021, 15, 869-909.	1.4	3
15	Comparison of zero replacement strategies for compositional data with large numbers of zeros. Chemometrics and Intelligent Laboratory Systems, 2021, 210, 104248.	3.5	50
16	Adaptive Trade-offs Towards the Last Glacial Maximum in North-Western Europe: a Multidisciplinary View from Walou Cave. Journal of Paleolithic Archaeology, 2021, 4, 1.	1.7	4
17	Analysing Pairwise Logratios Revisited. Mathematical Geosciences, 2021, 53, 1643-1666.	2.4	15
18	Identification of Mineralization in Geochemistry Along a Transect Based on the Spatial Curvature of Log-Ratios. Mathematical Geosciences, 2021, 53, 1513-1533.	2.4	0

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19	A multivariate test for detecting fraud based on Benford's law, with application to music streaming data. Statistical Methods and Applications, 2021, 30, 819-840.	1.2	5
20	Sparse least trimmed squares regression with compositional covariates for high-dimensional data. Bioinformatics, 2021, 37, 3805-3814.	4.1	6
21	Robust principal component analysis for compositional tables. Journal of Applied Statistics, 2021, 48, 214-233.	1.3	5
22	Automorphism Groups of Alkane Graphs. Croatica Chemica Acta, 2021, 94, .	0.4	0
23	A comparison of generalised linear models and compositional models for ordered categorical data. Statistical Modelling, 2020, 20, 249-273.	1.1	1
24	Evaluation of robust outlier detection methods for zero-inflated complex data. Journal of Applied Statistics, 2020, 47, 1144-1167.	1.3	24
25	Robust Multivariate Methods in Chemometrics. , 2020, , 393-430.		3
26	Cellwise outlier detection and biomarker identification in metabolomics based on pairwise log ratios. Journal of Chemometrics, 2020, 34, e3182.	1.3	6
27	Imputation of values above an upper detection limit in compositional data. Computers and Geosciences, 2020, 136, 104383.	4.2	3
28	pXRF Measurements on Soil Samples for the Exploration of an Antimony Deposit: Example from the Vendean Antimony District (France). Minerals (Basel, Switzerland), 2020, 10, 724.	2.0	5
29	Compositional Data Analysis in Chemometrics. , 2020, , 641-662.		0
30	Robust covariance estimators for mean-variance portfolio optimization with transaction lots. Operations Research Perspectives, 2020, 7, 100154.	2.1	1
31	Cellwise robust M regression. Computational Statistics and Data Analysis, 2020, 147, 106944.	1.2	14
32	A new partial robust adaptive modified maximum likelihood estimator. Chemometrics and Intelligent Laboratory Systems, 2020, 204, 104068.	3.5	4
33	Multivariate Outlier Detection in Applied Data Analysis: Global, Local, Compositional and Cellwise Outliers. Mathematical Geosciences, 2020, 52, 1049-1066.	2.4	12
34	Composition of cometary particles collected during two periods of the Rosetta mission: multivariate evaluation of mass spectral data. Journal of Chemometrics, 2020, 34, e3218.	1.3	0
35	Robust and sparse multigroup classification by the optimal scoring approach. Data Mining and Knowledge Discovery, 2020, 34, 723-741.	3.7	3
36	A Method to Identify Geochemical Mineralization on Linear Transects. Austrian Journal of Statistics, 2020, 49, 89-98.	0.6	2

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37	Comments on: Compositional data: the sample space and its structure. Test, 2019, 28, 639-643.	1.1	4
38	Statistical methods for the geochemical characterisation of surface waters: The case study of the Tiber River basin (Central Italy). Computers and Geosciences, 2019, 131, 80-88.	4.2	17
39	Bioavailable 87Sr/86Sr in European soils: A baseline for provenancing studies. Science of the Total Environment, 2019, 672, 1033-1044.	8.0	81
40	Robust and sparse k-means clustering for high-dimensional data. Advances in Data Analysis and Classification, 2019, 13, 905.	1.4	23
41	First Geochemical 'Fingerprinting' of Balkan and Prut Flint from Palaeolithic Romania: Potentials, Limitations and Future Directions. Archaeometry, 2019, 61, 521-538.	1.3	13
42	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
43	Robust second-order least-squares estimation for regression models with autoregressive errors. Statistical Papers, 2019, 60, 105-122.	1.2	7
44	nsROC: An R package for Non-Standard ROC Curve Analysis. R Journal, 2019, 10, 55.	1.8	15
45	Exploring Robustness in a Combined Feature Selection Approach. , 2019, , .		0
46	Clustering of imbalanced high-dimensional media data. Advances in Data Analysis and Classification, 2018, 12, 261-284.	1.4	5
47	The response of 12 different plant materials and one mushroom to Mo and Pb mineralization along a 100-km transect in southern central Norway. Geochemistry: Exploration, Environment, Analysis, 2018, 18, 204-215.	0.9	6
48	GEMAS: CNS concentrations and C/N ratios in European agricultural soil. Science of the Total Environment, 2018, 627, 975-984.	8.0	22
49	Significance of variables for discrimination: Applied to the search of organic ions in mass spectra measured on cometary particles. Journal of Chemometrics, 2018, 32, e3001.	1.3	1
50	The impact of wildland fires on calcareous Mediterranean pedosystems (Sardinia, Italy) – An integrated multiple approach. Science of the Total Environment, 2018, 624, 1152-1162.	8.0	9
51	U-Th signatures of agricultural soil at the European continental scale (GEMAS): Distribution, weathering patterns and processes controlling their concentrations. Science of the Total Environment, 2018, 622-623, 1277-1293.	8.0	16
52	Outlier detection in interval data. Advances in Data Analysis and Classification, 2018, 12, 785-822.	1.4	4
53	A Robust Approach to Risk Assessment Based on Species Sensitivity Distributions. Risk Analysis, 2018, 38, 2073-2086.	2.7	9
54	Reproducing a Neural Question Answering Architecture Applied to the SQuAD Benchmark Dataset: Challenges and Lessons Learned. Lecture Notes in Computer Science, 2018, , 102-113.	1.3	1

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55	Compositional data analysis in epidemiology. Statistical Methods in Medical Research, 2018, 27, 1878-1891.	1.5	15
56	A robust Liu regression estimator. Communications in Statistics Part B: Simulation and Computation, 2018, 47, 432-443.	1.2	5
57	GEMAS: Establishing geochemical background and threshold for 53 chemical elements in European agricultural soil. Applied Geochemistry, 2018, 88, 302-318.	3.0	143
58	A robust Parafac model for compositional data. Journal of Applied Statistics, 2018, 45, 1347-1369.	1.3	9
59	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
60	Robust and sparse estimation methods for high-dimensional linear and logistic regression. Chemometrics and Intelligent Laboratory Systems, 2018, 172, 211-222.	3.5	49
61	Analyzing Compositional Data Using R. Springer Series in Statistics, 2018, , 17-34.	0.9	2
62	Compositional Data as a Methodological Concept. Springer Series in Statistics, 2018, , 1-16.	0.9	4
63	Methods for High-Dimensional Compositional Data. Springer Series in Statistics, 2018, , 207-225.	0.9	1
64	Geometrical Properties of Compositional Data. Springer Series in Statistics, 2018, , 35-68.	0.9	2
65	Exploratory Data Analysis and Visualization. Springer Series in Statistics, 2018, , 69-83.	0.9	1
66	First Steps for a Statistical Analysis. Springer Series in Statistics, 2018, , 85-106.	0.9	0
67	Correlation Analysis. Springer Series in Statistics, 2018, , 149-162.	0.9	1
68	Guided Projections for Analyzing the Structure of High-Dimensional Data. Journal of Computational and Graphical Statistics, 2018, 27, 750-762.	1.7	1
69	Applied Compositional Data Analysis. Springer Series in Statistics, 2018, , .	0.9	150
70	Dynamic log file analysis: An unsupervised cluster evolution approach for anomaly detection. Computers and Security, 2018, 79, 94-116.	6.0	44
71	Time Series Analysis: Unsupervised Anomaly Detection Beyond Outlier Detection. Lecture Notes in Computer Science, 2018, , 19-36.	1.3	13
72	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

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73	Data Normalization and Scaling: Consequences for the Analysis in Omics Sciences. Comprehensive Analytical Chemistry, 2018, 82, 165-196.	1.3	14
74	A multi-technique analytical approach to sourcing Scandinavian flint: Provenance of ballast flint from the shipwreck â€œLeirvigen 1â€, Norway. PLoS ONE, 2018, 13, e0200647.	2.5	32
75	There and back again: Outlier detection between statistical reasoning and data mining algorithms. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1280.	6.8	108
76	Robust scale estimators for fuzzy data. Advances in Data Analysis and Classification, 2017, 11, 731-758.	1.4	8
77	Robust Maximum Association Estimators. Journal of the American Statistical Association, 2017, 112, 436-445.	3.1	18
78	Exploratory tools for outlier detection in compositional data with structural zeros. Journal of Applied Statistics, 2017, 44, 734-752.	1.3	13
79	Exploratory data analysis for interval compositional data. Advances in Data Analysis and Classification, 2017, 11, 223-241.	1.4	5
80	Correlation Between Compositional Parts Based on Symmetric Balances. Mathematical Geosciences, 2017, 49, 777-796.	2.4	87
81	Generalized box-plot for root growth ensembles. BMC Bioinformatics, 2017, 18, 65.	2.6	6
82	Weighted Pivot Coordinates for Compositional Data and Their Application to Geochemical Mapping. Mathematical Geosciences, 2017, 49, 797-814.	2.4	46
83	Phenological patterns of flowering across biogeographical regions of Europe. International Journal of Biometeorology, 2017, 61, 1347-1358.	3.0	27
84	Robust biomarker identification in a two-class problem based on pairwise log-ratios. Chemometrics and Intelligent Laboratory Systems, 2017, 171, 277-285.	3.5	16
85	Untargeted analysis of chromatographic data for green and fermented rooibos: Problem with size effect removal. Journal of Chromatography A, 2017, 1525, 109-115.	3.7	2
86	Graph Embedding Based Recommendation Techniques on the Knowledge Graph. , 2017, , .		17
87	A new method for correlation analysis of compositional (environmental) data â€“ a worked example. Science of the Total Environment, 2017, 607-608, 965-971.	8.0	99
88	Cycle Plot Revisited: Multivariate Outlier Detection Using a Distanceâ€Based Abstraction. Computer Graphics Forum, 2017, 36, 227-238.	3.0	6
89	Comment on â€œMaps of heavy metals in the soils of the European Union and proposed priority areas for detailed assessmentâ€ by TÃ³th, G., Hermann, T., SzatmÃ¡ri, G., PÃ¡sztor, L.. Science of the Total Environment, 2017, 578, 236-241.	8.0	9
90	Similarities in element â€‰content between comet 67P/Churyumovâ€“Gerasimenko coma dust and selected meteorite samples. Monthly Notices of the Royal Astronomical Society, 2017, 469, S492-S505.	4.4	14

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91	The Paradigm of Relatedness. Lecture Notes in Business Information Processing, 2017, , 57-68.	1.0	0
92	Geochemical Sourcing of Flint Artifacts from Western Belgium and the German Rhineland: Testing Hypotheses on Gravettian Period Mobility and Raw Material Economy. Geoarchaeology - an International Journal, 2016, 31, 229-243.	1.5	41
93	Comment on â€œHeavy metals in agricultural soil of the European Union with implications for food safetyâ€•by TÃ³th, G., Hermann, T., Da Silva, M.R. and Montanarella, L.. Environment International, 2016, 97, 258-263.	10.0	1
94	Error Propagation in Isometric Log-ratio Coordinates for Compositional Data: Theoretical and Practical Considerations. Mathematical Geosciences, 2016, 48, 941-961.	2.4	21
95	Classical and robust orthogonal regression between parts of compositional data. Statistics, 2016, 50, 1261-1275.	0.6	7
96	Imputation of rounded zeros for high-dimensional compositional data. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 183-190.	3.5	30
97	Sparse and robust PLS for binary classification. Journal of Chemometrics, 2016, 30, 153-162.	1.3	15
98	The single component geochemical map: Fact or fiction?. Journal of Geochemical Exploration, 2016, 162, 16-28.	3.2	73
99	Compositional biplots including external non-compositional variables. Statistics, 2016, 50, 1132-1148.	0.6	29
100	Combining place names and scientific knowledge on soil resources through an integrated ethnopedological approach. Catena, 2016, 142, 89-101.	5.0	17
101	Simplicial principal component analysis for density functions in Bayes spaces. Computational Statistics and Data Analysis, 2016, 94, 330-350.	1.2	61
102	Finding Structures of Interest in a Large Data Set Using Factor Analysis. Austrian Journal of Statistics, 2016, 26, .	0.6	2
103	Robust Maximum Association Between Data Sets: The R Package ccaPP. Austrian Journal of Statistics, 2016, 45, 71-79.	0.6	7
104	Sparse partial robust M regression. Chemometrics and Intelligent Laboratory Systems, 2015, 149, 50-59.	3.5	31
105	Modeling Compositional Time Series with Vector Autoregressive Models. Journal of Forecasting, 2015, 34, 303-314.	2.8	29
106	Visually and statistically guided imputation of missing values in univariate seasonal time series. , 2015, , .		11
107	Inorganic chemical quality of European tap-water: 2. Geographical distribution. Applied Geochemistry, 2015, 59, 211-224.	3.0	25
108	Sparse principal balances. Statistical Modelling, 2015, 15, 159-174.	1.1	15

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109	Identifying Structural Changes in Austrian Social Insurance Dataã˘…. IFAC-PapersOnLine, 2015, 48, 115-120.	0.9	1
110	Bayesian-multiplicative treatment of count zeros in compositional data sets. Statistical Modelling, 2015, 15, 134-158.	1.1	175
111	Blind Source Separation for Spatial Compositional Data. Mathematical Geosciences, 2015, 47, 753-770.	2.4	24
112	PLSâ€ĐA for compositional data with application to metabolomics. Journal of Chemometrics, 2015, 29, 21-28.	1.3	79
113	On the Robustness of Absolute Deviations with Fuzzy Data. Advances in Intelligent Systems and Computing, 2015, , 133-141.	0.6	0
114	On the generalizability of resting-state fMRI machine learning classifiers. Frontiers in Human Neuroscience, 2014, 8, 502.	2.0	9
115	Simulation and quality of a synthetic close-to-reality employerâ€"employee population. Journal of Applied Statistics, 2014, 41, 1053-1072.	1.3	10
116	Exploring Compositional Data with the Robust Compositional Biplot. Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies, 2014, , 219-226.	0.2	1
117	Identification of local multivariate outliers. Statistical Papers, 2014, 55, 29-47.	1.2	46
118	What can go wrong at the data normalization step for identification of biomarkers?. Journal of Chromatography A, 2014, 1362, 194-205.	3.7	86
119	KNN classification â€" 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
120	Radiolarite studies at Krems-Wachtberg (Lower Austria): Northern Alpine versus Carpathian lithic resources. Quaternary International, 2014, 351, 146-162.	1.5	21
121	Ultrahigh dimensional variable selection through the penalized maximum trimmed likelihood estimator. Statistical Papers, 2014, 55, 187-207.	1.2	12
122	The Spectral Diversity of Resting-State Fluctuations in the Human Brain. PLoS ONE, 2014, 9, e93375.	2.5	76
123	Robust Regression with Compositional Response: Application to Geosciences. Lecture Notes in Earth System Sciences, 2014, , 87-90.	0.6	0
124	Estimation of a proportion in survey sampling using the logratio approach. Metrika, 2013, 76, 799-818.	0.8	5
125	Covariance-Based Variable Selection for Compositional Data. Mathematical Geosciences, 2013, 45, 487-498.	2.4	8
126	Effects of supervised Self Organising Maps parameters on classification performance. Analytica Chimica Acta, 2013, 765, 45-53.	5.4	17

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127	Locally centred Mahalanobis distance: A new distance measure with salient features towards outlier detection. Analytica Chimica Acta, 2013, 787, 1-9.	5.4	60
128	Robust Sparse Principal Component Analysis. Technometrics, 2013, 55, 202-214.	1.9	83
129	RESCALE: Voxel-specific task-fMRI scaling using resting state fluctuation amplitude. NeuroImage, 2013, 70, 80-88.	4.2	34
130	Robust tools for the imperfect world. Information Sciences, 2013, 245, 4-20.	6.9	33
131	Comparing Classical and Robust Sparse PCA. Advances in Intelligent Systems and Computing, 2013, , 283-291.	0.6	5
132	Visual Analytics for Model Selection in Time Series Analysis. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2237-2246.	4.4	43
133	MULTIVARIATE LINEAR QSPR/QSAR MODELS: RIGOROUS EVALUATION OF VARIABLE SELECTION FOR PLS. Computational and Structural Biotechnology Journal, 2013, 5, e201302007.	4.1	27
134	Robust estimation of economic indicators from survey samples based on Pareto tail modelling. Journal of the Royal Statistical Society Series C: Applied Statistics, 2013, 62, 271-286.	1.0	42
135	Beyond Noise: Using Temporal ICA to Extract Meaningful Information from High-Frequency fMRI Signal Fluctuations during Rest. Frontiers in Human Neuroscience, 2013, 7, 168.	2.0	149
136	Robustness for Compositional Data. , 2013, , 117-131.		6
137	Robust Diagnostics of Fuzzy Clustering Results Using the Compositional Approach. Advances in Intelligent Systems and Computing, 2013, , 245-253.	0.6	0
138	Outlier Detection in High Dimension Using Regularization. Advances in Intelligent Systems and Computing, 2013, , 237-244.	0.6	2
139	Linear regression with compositional explanatory variables. Journal of Applied Statistics, 2012, 39, 1115-1128.	1.3	132
140	Robust feature selection and robust PCA for internet traffic anomaly detection. , 2012, , .		57
141	Redundancy analysis for characterizing the correlation between groups of variables - Applied to molecular descriptors. Chemometrics and Intelligent Laboratory Systems, 2012, 117, 31-41.	3.5	4
142	A generic model for the integration of interactive visualization and statistical computing using R. , 2012, , .		9
143	A highly parallelized framework for computationally intensive MR data analysis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2012, 25, 313-320.	2.0	14
144	Statistical analysis of wines using a robust compositional biplot. Talanta, 2012, 90, 46-50.	5.5	15

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145	Top-/bottom-soil ratios and enrichment factors: What do they really show?. Applied Geochemistry, 2012, 27, 138-145.	3.0	97
146	Temperature-dependent leaching of chemical elements from mineral water bottle materials. Applied Geochemistry, 2012, 27, 1492-1498.	3.0	36
147	Discriminant analysis for compositional data and robust parameter estimation. Computational Statistics, 2012, 27, 585-604.	1.5	40
148	A comparison of algorithms for the multivariate L 1-median. Computational Statistics, 2012, 27, 393-410.	1.5	42
149	Fully exploratory network independent component analysis of the 1000 functional connectomes database. Frontiers in Human Neuroscience, 2012, 6, 301.	2.0	55
150	Review of sparse methods in regression and classification with application to chemometrics. Journal of Chemometrics, 2012, 26, 42-51.	1.3	97
151	Exploring incomplete data using visualization techniques. Advances in Data Analysis and Classification, 2012, 6, 29-47.	1.4	84
152	Interpretation of multivariate outliers for compositional data. Computers and Geosciences, 2012, 39, 77-85.	4.2	89
153	Robust joint modeling of mean and dispersion through trimming. Computational Statistics and Data Analysis, 2012, 56, 34-48.	1.2	22
154	The least trimmed quantile regression. Computational Statistics and Data Analysis, 2012, 56, 1757-1770.	1.2	17
155	Model-based replacement of rounded zeros in compositional data: Classical and robust approaches. Computational Statistics and Data Analysis, 2012, 56, 2688-2704.	1.2	118
156	The concept of compositional data analysis in practice â€" Total major element concentrations in agricultural and grazing land soils of Europe. Science of the Total Environment, 2012, 426, 196-210.	8.0	211
157	Meta-analysis: fact or fiction?. European Psychiatry, 2011, 26, 1245-1245.	0.2	0
158	Increased functional coupling between basalganglia and cingulate and prefrontal cortex during resting state conditions in remitted major depressive disorder. European Psychiatry, 2011, 26, 915-915.	0.2	0
159	Increased coupling of resting state activity between amygdala and cortical emotion processing regions in remitted major depressive disorder. European Psychiatry, 2011, 26, 931-931.	0.2	0
160	Remitted major depression is related to increased functional coupling between ventral striatum and cortical regions in resting state fMRI. European Psychiatry, 2011, 26, 948-948.	0.2	1
161	Spatial distribution of lead and lead isotopes in soil B-horizon, forest-floor humus, grass (Avenella) Tj ETQq1 1 0.784314 rgBT /Overlock 1205-1214.	3.0	36
162	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

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163	Review of robust multivariate statistical methods in high dimension. Analytica Chimica Acta, 2011, 705, 2-14.	5.4	54
164	Robust Sparse Principal Component Analysis. SSRN Electronic Journal, 2011, , .	0.4	3
165	Uncertaintyâ€Aware Exploration of Continuous Parameter Spaces Using Multivariate Prediction. Computer Graphics Forum, 2011, 30, 911-920.	3.0	101
166	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. Science of the Total Environment, 2011, 409, 2281-2297.	8.0	50
167	Brushing Dimensions - A Dual Visual Analysis Model for High-Dimensional Data. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2591-2599.	4.4	68
168	Linking chemical elements in forest floor humus (Oh-horizon) in the Czech Republic to contamination sources. Environmental Pollution, 2011, 159, 1205-1214.	7.5	25
169	Characterisation of the potamal Danube River and the Delta: connectivity determines indicative macrophyte assemblages. Hydrobiologia, 2011, 671, 75-93.	2.0	15
170	Robust variable selection with application to quality of life research. Statistical Methods and Applications, 2011, 20, 65-82.	1.2	6
171	Simulation of close-to-reality population data for household surveys with application to EU-SILC. Statistical Methods and Applications, 2011, 20, 383-407.	1.2	50
172	Detection of multivariate outliers in business survey data with incomplete information. Advances in Data Analysis and Classification, 2011, 5, 37-56.	1.4	35
173	Data Analysis for Urban Geochemical Data. , 2011, , 99-115.		2
174	Iterative stepwise regression imputation using standard and robust methods. Computational Statistics and Data Analysis, 2011, 55, 2793-2806.	1.2	107
175	Meta-analysis: Fact or fiction? How to interpret meta-analyses. World Journal of Biological Psychiatry, 2011, 12, 188-200.	2.6	42
176	Active Middle Ear Implant Compared With Open-Fit Hearing Aid in Sloping High-Frequency Sensorineural Hearing Loss. Otology and Neurotology, 2010, 31, 424-429.	1.3	51
177	The bivariate statistical analysis of environmental (compositional) data. Science of the Total Environment, 2010, 408, 4230-4238.	8.0	160
178	Robust and classical PLS regression compared. Journal of Chemometrics, 2010, 24, 111-120.	1.3	22
179	Random projection experiments with chemometric data. Journal of Chemometrics, 2010, 24, 209-217.	1.3	18
180	Asymptotic normality of kernel type regression estimators for random fields. Journal of Statistical Planning and Inference, 2010, 140, 872-886.	0.6	2

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181	Robust statistic for the one-way MANOVA. Computational Statistics and Data Analysis, 2010, 54, 37-48.	1.2	63
182	Imputation of missing values for compositional data using classical and robust methods. Computational Statistics and Data Analysis, 2010, 54, 3095-3107.	1.2	216
183	Exploratory factor analysis revisited: How robust methods support the detection of hidden multivariate data structures in IS research. Information and Management, 2010, 47, 197-207.	6.5	125
184	Brushing Moments in Interactive Visual Analysis. Computer Graphics Forum, 2010, 29, 813-822.	3.0	22
185	Bottled drinking water: Water contamination from bottle materials (glass, hard PET, soft PET), the influence of colour and acidification. Applied Geochemistry, 2010, 25, 1030-1046.	3.0	98
186	Reply to the comment â€œBottled drinking water: Water contamination from bottle materials (glass,) Tj ETQq0 0 0 rgBT /Overlock 10 T Geochemistry, 2010, 25, 1464-1465.	3.0	7
187	Elements of Robust Regression for Data with Absolute and Relative Information. Advances in Intelligent and Soft Computing, 2010, , 329-335.	0.2	1
188	Robust Methods for Compositional Data. , 2010, , 79-88.		1
189	An Object-Oriented Framework for Statistical Simulation: The<i>R</i>PackagesimFrame. Journal of Statistical Software, 2010, 37, .	3.7	25
190	Univariate statistical analysis of environmental (compositional) data: Problems and possibilities. Science of the Total Environment, 2009, 407, 6100-6108.	8.0	354
191	Robust factor analysis for compositional data. Computers and Geosciences, 2009, 35, 1854-1861.	4.2	116
192	Repeated double cross validation. Journal of Chemometrics, 2009, 23, 160-171.	1.3	375
193	Principal component analysis for compositional data with outliers. Environmetrics, 2009, 20, 621-632.	1.4	376
194	Correlation Analysis for Compositional Data. Mathematical Geosciences, 2009, 41, 905-919.	2.4	99
195	Comparison of some linear regression methods â€" available in R â€" for a QSPR problem. Chemistry Central Journal, 2009, 3, .	2.6	1
196	Robust Multivariate Methods in Chemometrics. , 2009, , 681-722.		12
197	An Object-Oriented Framework for Robust Multivariate Analysis. Journal of Statistical Software, 2009, 32, .	3.7	232
198	Outlier Detection for Compositional Data Using Robust Methods. Mathematical Geosciences, 2008, 40, 233-248.	2.4	178

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