

Mia Hubert

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

6,519
citations

101543

36
h-index

66911

78
g-index

95
all docs

95
docs citations

95
times ranked

5725
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Class Maps for Visualizing Classification Results. <i>Technometrics</i> , 2022, 64, 151-165. | 1.9 | 3 |
| 2 | Real-time discriminant analysis in the presence of label and measurement noise. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2021, 208, 104197. | 3.5 | 10 |
| 3 | Editorial, special issue on "Advances in Robust Statistics". <i>Metron</i> , 2021, 79, 121-125. | 1.2 | 1 |
| 4 | Outlier detection in non-elliptical data by kernel MRCD. <i>Statistics and Computing</i> , 2021, 31, 1. | 1.5 | 7 |
| 5 | Robust Multivariate Statistical Methods. , 2020, , 107-122. | | 0 |
| 6 | Robust Methods for High-Dimensional Data. , 2020, , 149-171. | | 0 |
| 7 | Real-time outlier detection for large datasets by RT-DetMCD. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 199, 103957. | 3.5 | 11 |
| 8 | Robust Monitoring of Time Series with Application to Fraud Detection. <i>Econometrics and Statistics</i> , 2019, 9, 108-121. | 0.8 | 21 |
| 9 | MacroPCA: An All-in-One PCA Method Allowing for Missing Values as Well as Cellwise and Rowwise Outliers. <i>Technometrics</i> , 2019, 61, 459-473. | 1.9 | 30 |
| 10 | Minimum covariance determinant and extensions. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2018, 10, e1421. | 3.9 | 108 |
| 11 | A Measure of Directional Outlyingness With Applications to Image Data and Video. <i>Journal of Computational and Graphical Statistics</i> , 2018, 27, 345-359. | 1.7 | 32 |
| 12 | Anomaly detection by robust statistics. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2018, 8, e1236. | 6.8 | 122 |
| 13 | Fast robust SUR with economical and actuarial applications. <i>Statistical Analysis and Data Mining</i> , 2017, 10, 77-88. | 2.8 | 11 |
| 14 | Multivariate and functional classification using depth and distance. <i>Advances in Data Analysis and Classification</i> , 2017, 11, 445-466. | 1.4 | 33 |
| 15 | Parameter selection guidelines for adaptive PCA-based control charts. <i>Journal of Chemometrics</i> , 2016, 30, 163-176. | 1.3 | 16 |
| 16 | A systematic comparison of PCA-based Statistical Process Monitoring methods for high-dimensional, time-dependent Processes. <i>AIChE Journal</i> , 2016, 62, 1478-1493. | 3.6 | 86 |
| 17 | Analysis of travel activity determinants using robust statistics. <i>Transportation</i> , 2016, 43, 979-996. | 4.0 | 3 |
| 18 | Statistical process monitoring of time-dependent data. <i>Quality Engineering</i> , 2016, 28, 127-142. | 1.1 | 13 |

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|----|---|-----|-----------|
| 19 | Sparse PCA for High-Dimensional Data With Outliers. <i>Technometrics</i> , 2016, 58, 424-434. | 1.9 | 44 |
| 20 | Rejoinder to "multivariate functional outlier detection". <i>Statistical Methods and Applications</i> , 2015, 24, 269-277. | 1.2 | 5 |
| 21 | Overview of PCA-Based Statistical Process-Monitoring Methods for Time-Dependent, High-Dimensional Data. <i>Journal of Quality Technology</i> , 2015, 47, 318-335. | 2.5 | 98 |
| 22 | Multivariate functional outlier detection. <i>Statistical Methods and Applications</i> , 2015, 24, 177-202. | 1.2 | 121 |
| 23 | The DetS and DetMM estimators for multivariate location and scatter. <i>Computational Statistics and Data Analysis</i> , 2015, 81, 64-75. | 1.2 | 25 |
| 24 | Shape bias of robust covariance estimators: an empirical study. <i>Statistical Papers</i> , 2014, 55, 15-28. | 1.2 | 8 |
| 25 | Multivariate Functional Halfspace Depth. <i>Journal of the American Statistical Association</i> , 2014, 109, 411-423. | 3.1 | 92 |
| 26 | Reducing the mean squared error of quantile-based estimators by smoothing. <i>Test</i> , 2013, 22, 448-465. | 1.1 | 3 |
| 27 | Robust multilevel simultaneous component analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013, 129, 33-39. | 3.5 | 10 |
| 28 | Detecting influential data points for the Hill estimator in Pareto-type distributions. <i>Computational Statistics and Data Analysis</i> , 2013, 65, 13-28. | 1.2 | 16 |
| 29 | High-Breakdown Estimators of Multivariate Location and Scatter. , 2013, , 49-66. | | 15 |
| 30 | A Deterministic Algorithm for Robust Location and Scatter. <i>Journal of Computational and Graphical Statistics</i> , 2012, 21, 618-637. | 1.7 | 102 |
| 31 | Multivariate Functional Halfspace Depth. <i>SSRN Electronic Journal</i> , 2012, , . | 0.4 | 0 |
| 32 | Robust preprocessing and model selection for spectral data. <i>Journal of Chemometrics</i> , 2012, 26, 282-289. | 1.3 | 33 |
| 33 | Robust PARAFAC for incomplete data. <i>Journal of Chemometrics</i> , 2012, 26, 290-298. | 1.3 | 29 |
| 34 | Phase and amplitude-based clustering for functional data. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 2360-2374. | 1.2 | 16 |
| 35 | Detecting outlying samples in a parallel factor analysis model. <i>Analytica Chimica Acta</i> , 2011, 705, 155-165. | 5.4 | 15 |
| 36 | Robust statistics for outlier detection. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2011, 1, 73-79. | 6.8 | 434 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Robust classification for skewed data. <i>Advances in Data Analysis and Classification</i> , 2010, 4, 239-254. | 1.4 | 21 |
| 38 | Robustness of reweighted Least Squares Kernel Based Regression. <i>Journal of Multivariate Analysis</i> , 2010, 101, 447-463. | 1.0 | 18 |
| 39 | Detecting influential observations in Kernel PCA. <i>Computational Statistics and Data Analysis</i> , 2010, 54, 3007-3019. | 1.2 | 32 |
| 40 | Minimum covariance determinant. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 36-43. | 3.9 | 175 |
| 41 | MATLAB library LIBRA. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 509-515. | 3.9 | 41 |
| 42 | DetMCD in a Calibration Framework. , 2010, , 589-596. | | 1 |
| 43 | Robustness of Kernel Based Regression: A Comparison of Iterative Weighting Schemes. <i>Lecture Notes in Computer Science</i> , 2009, , 100-110. | 1.3 | 31 |
| 44 | Breakdown value. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2009, 1, 296-302. | 3.9 | 16 |
| 45 | The influence function of the Stahelâ€™Donoho covariance estimator of smallest outlyingness. <i>Statistics and Probability Letters</i> , 2009, 79, 275-282. | 0.7 | 19 |
| 46 | Robust PCA for skewed data and its outlier map. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 2264-2274. | 1.2 | 89 |
| 47 | Robust and Nonparametric Statistical Methods. , 2009, , 189-211. | | 4 |
| 48 | Robust Calibration. , 2009, , 315-343. | | 1 |
| 49 | Goodness-of-fit tests based on a robust measure of skewness. <i>Computational Statistics</i> , 2008, 23, 429-442. | 1.5 | 38 |
| 50 | Outlier detection for skewed data. <i>Journal of Chemometrics</i> , 2008, 22, 235-246. | 1.3 | 204 |
| 51 | Censored depth quantiles. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 1604-1614. | 1.2 | 8 |
| 52 | An adjusted boxplot for skewed distributions. <i>Computational Statistics and Data Analysis</i> , 2008, 52, 5186-5201. | 1.2 | 514 |
| 53 | High-Breakdown Robust Multivariate Methods. <i>Statistical Science</i> , 2008, 23, . | 2.8 | 222 |
| 54 | Fast cross-validation of high-breakdown resampling methods for PCA. <i>Computational Statistics and Data Analysis</i> , 2007, 51, 5013-5024. | 1.2 | 34 |

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|----|---|-----|-----------|
| 55 | Robust learning from bites for data mining. Computational Statistics and Data Analysis, 2007, 52, 347-361. | 1.2 | 9 |
| 56 | A robust estimator for the tail index of Pareto-type distributions. Computational Statistics and Data Analysis, 2007, 51, 6252-6268. | 1.2 | 64 |
| 57 | Automatically identifying scatter in fluorescence data using robust techniques. Chemometrics and Intelligent Laboratory Systems, 2007, 86, 35-51. | 3.5 | 32 |
| 58 | Robustness and Outlier Detection in Chemometrics. Critical Reviews in Analytical Chemistry, 2006, 36, 221-242. | 3.5 | 116 |
| 59 | Robust measures of tail weight. Computational Statistics and Data Analysis, 2006, 50, 733-759. | 1.2 | 66 |
| 60 | Fast model selection for robust calibration methods. Analytica Chimica Acta, 2005, 544, 219-228. | 5.4 | 20 |
| 61 | LIBRA: a MATLAB library for robust analysis. Chemometrics and Intelligent Laboratory Systems, 2005, 75, 127-136. | 3.5 | 339 |
| 62 | Robust classification in high dimensions based on the SIMCA Method. Chemometrics and Intelligent Laboratory Systems, 2005, 79, 10-21. | 3.5 | 121 |
| 63 | A robustification of independent component analysis. Journal of Chemometrics, 2005, 19, 364-375. | 1.3 | 56 |
| 64 | Multivariate Outlier Detection and Robustness. Handbook of Statistics, 2005, 24, 263-302. | 0.6 | 22 |
| 65 | ROBPCA: A New Approach to Robust Principal Component Analysis. Technometrics, 2005, 47, 64-79. | 1.9 | 770 |
| 66 | Robust PCA and classification in biosciences. Bioinformatics, 2004, 20, 1728-1736. | 4.1 | 157 |
| 67 | Fast and robust discriminant analysis. Computational Statistics and Data Analysis, 2004, 45, 301-320. | 1.2 | 153 |
| 68 | Robustness properties of a robust partial least squares regression method. Analytica Chimica Acta, 2004, 515, 229-241. | 5.4 | 31 |
| 69 | A Robust Measure of Skewness. Journal of Computational and Graphical Statistics, 2004, 13, 996-1017. | 1.7 | 220 |
| 70 | A robust PCR method for high-dimensional regressors. Journal of Chemometrics, 2003, 17, 438-452. | 1.3 | 81 |
| 71 | Robust methods for partial least squares regression. Journal of Chemometrics, 2003, 17, 537-549. | 1.3 | 216 |
| 72 | Lack of fluorophotometric evidence of aqueous vitreous barrier disruption after posterior capsulorhexis. Journal of Cataract and Refractive Surgery, 2003, 29, 2330-2338. | 1.5 | 42 |

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|----|--|-----|-----------|
| 73 | The Deepest Regression Method. Journal of Multivariate Analysis, 2002, 81, 138-166. | 1.0 | 33 |
| 74 | A fast method for robust principal components with applications to chemometrics. Chemometrics and Intelligent Laboratory Systems, 2002, 60, 101-111. | 3.5 | 195 |
| 75 | Similarities Between Location Depth and Regression Depth. , 2001, , 159-172. | | 2 |
| 76 | Depth in an Arrangement of Hyperplanes. Discrete and Computational Geometry, 1999, 22, 167-176. | 0.6 | 21 |
| 77 | Regression Depth: Rejoinder. Journal of the American Statistical Association, 1999, 94, 419. | 3.1 | 10 |
| 78 | Regression Depth. Journal of the American Statistical Association, 1999, 94, 388-402. | 3.1 | 205 |
| 79 | Regression Depth. Journal of the American Statistical Association, 1999, 94, 388. | 3.1 | 58 |
| 80 | The Catline for Deep Regression. Journal of Multivariate Analysis, 1998, 66, 270-296. | 1.0 | 22 |
| 81 | Recent developments in PROGRESS. Lecture Notes-monograph Series / Institute of Mathematical Statistics, 1997, , 201-214. | 1.0 | 55 |
| 82 | Robust regression with both continuous and binary regressors. Journal of Statistical Planning and Inference, 1997, 57, 153-163. | 0.6 | 73 |
| 83 | The breakdown value of the L1 estimator in contingency tables. Statistics and Probability Letters, 1997, 33, 419-425. | 0.7 | 24 |
| 84 | Integrating robust clustering techniques in S-PLUS. Computational Statistics and Data Analysis, 1997, 26, 17-37. | 1.2 | 138 |
| 85 | Regression-free and robust estimation of scale for bivariate data. Computational Statistics and Data Analysis, 1996, 21, 67-85. | 1.2 | 16 |
| 86 | Clustering in an Object-Oriented Environment. Journal of Statistical Software, 1996, 1, . | 3.7 | 94 |
| 87 | Phase and Amplitude-Based Clustering for Functional Data. SSRN Electronic Journal, 0, , . | 0.4 | 1 |