

Samuel Mueller

List of Publications by Year in descending order

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66
papers

1,389
citations

516710

16
h-index

361022

35
g-index

70
all docs

70
docs citations

70
times ranked

1769
citing authors

#	ARTICLE	IF	CITATIONS
1	GEE-Assisted Variable Selection for Latent Variable Models with Multivariate Binary Data. Journal of the American Statistical Association, 2023, 118, 1252-1263.	3.1	2
2	Screening Methods for Linear Errors-in-Variables Models in High Dimensions. Biometrics, 2023, 79, 926-939.	1.4	2
3	Cross-Platform Omics Prediction procedure: a statistical machine learning framework for wider implementation of precision medicine. Npj Digital Medicine, 2022, 5, .	10.9	3
4	Random Effects Misspecification Can Have Severe Consequences for Random Effects Inference in Linear Mixed Models. International Statistical Review, 2021, 89, 186-206.	1.9	6
5	MCVIS: A New Framework for Collinearity Discovery, Diagnostic, and Visualization. Journal of Computational and Graphical Statistics, 2021, 30, 125-132.	1.7	5
6	Prediction modeling part 2: using machine learning strategies to improve transplantation outcomes. Kidney International, 2021, 99, 817-823.	5.2	7
7	svReg: Structural varying coefficient regression to differentiate how regional brain atrophy affects motor impairment for Huntington disease severity groups. Biometrical Journal, 2021, 63, 1254-1271.	1.0	1
8	037 The gut microbiome in Parkinson's disease: longitudinal insights into disease progression and the use of device-assisted therapies. , 2021, , .		0
9	015 Gut microbiota and nutritional profiles of Parkinson's disease patients. , 2021, , .		0
10	LC-N2G: a local consistency approach for nutrigenomics data analysis. BMC Bioinformatics, 2020, 21, 530.	2.6	2
11	A PERSONALISED PREDICTION MODEL FOR ALLOGRAFT SURVIVAL AFTER KIDNEY TRANSPLANTATION. Transplantation, 2020, 104, S41-S41.	1.0	0
12	The LASSO on latent indices for regression modeling with ordinal categorical predictors. Computational Statistics and Data Analysis, 2020, 149, 106951.	1.2	2
13	IDENTIFICATION OF DRIVEN RISK FACTORS FOR HLA-DR IN KIDNEY TRANSPLANTATION. Transplantation, 2020, 104, S420-S420.	1.0	0
14	A radiographic analysis of the abnormal hallux interphalangeus angle range: Considerations for surgeons performing Akin osteotomies. Journal of Orthopaedic Surgery, 2019, 27, 230949901984109.	1.0	1
15	Testing random effects in linear mixed models: another look at the F test (with discussion). Australian and New Zealand Journal of Statistics, 2019, 61, 61-84.	0.9	6
16	Fast and approximate exhaustive variable selection for generalised linear models with APES. Australian and New Zealand Journal of Statistics, 2019, 61, 445-465.	0.9	3
17	Melanoma Explorer: a web application to allow easy reanalysis of publicly available and clinically annotated melanoma omics data sets. Melanoma Research, 2019, 29, 342-344.	1.2	5
18	Semiparametric Regression Using Variational Approximations. Journal of the American Statistical Association, 2019, 114, 1765-1777.	3.1	10

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19	bcGSTâ€™an interactive bias-correction method to identify over-represented gene-sets in boutique arrays. <i>Bioinformatics</i> , 2019, 35, 1350-1357.	4.1	1
20	Sparse Pairwise Likelihood Estimation for Multivariate Longitudinal Mixed Models. <i>Journal of the American Statistical Association</i> , 2018, 113, 1759-1769.	3.1	5
21	<code>gplots</code> : An <i>R</i> Package for Graphical Model Stability and Variable Selection Procedures. <i>Journal of Statistical Software</i> , 2018, 83, .	3.7	6
22	Joint Selection in Mixed Models using Regularized PQL. <i>Journal of the American Statistical Association</i> , 2017, 112, 1323-1333.	3.1	33
23	A variational Bayes approach to variable selection. <i>Electronic Journal of Statistics</i> , 2017, 11, .	0.7	28
24	A multi-step classifier addressing cohort heterogeneity improves performance of prognostic biomarkers in three cancer types. <i>Oncotarget</i> , 2017, 8, 2807-2815.	1.8	10
25	Hierarchical Selection of Fixed and Random Effects in Generalized Linear Mixed Models. <i>Statistica Sinica</i> , 2017, , .	0.3	4
26	Cox regression with exclusion frequency-based weights to identify neuroimaging markers relevant to Huntingtonâ€™s disease onset. <i>Annals of Applied Statistics</i> , 2016, 10, 2130-2156.	1.1	3
27	Fast and flexible methods for monotone polynomial fitting. <i>Journal of Statistical Computation and Simulation</i> , 2016, 86, 2946-2966.	1.2	18
28	On generalized degrees of freedom with application in linear mixed models selection. <i>Statistics and Computing</i> , 2016, 26, 199-210.	1.5	8
29	Identification, Review, and Systematic Cross-Validation of microRNA Prognostic Signatures in Metastatic Melanoma. <i>Journal of Investigative Dermatology</i> , 2016, 136, 245-254.	0.7	82
30	Robust estimation of precision matrices under cellwise contamination. <i>Computational Statistics and Data Analysis</i> , 2016, 93, 404-420.	1.2	37
31	Inferring data-specific micro-RNA function through the joint ranking of micro-RNA and pathways from matched micro-RNA and gene expression data. <i>Bioinformatics</i> , 2015, 31, 2822-2828.	4.1	4
32	The difference of symmetric quantiles under long range dependence. <i>Statistics and Probability Letters</i> , 2015, 98, 144-150.	0.7	3
33	Determination of prognosis in metastatic melanoma through integration of clinicoâ€™pathologic, mutation, mRNA, microRNA, and protein information. <i>International Journal of Cancer</i> , 2015, 136, 863-874.	5.1	67
34	On Variational Bayes Estimation and Variational Information Criteria for Linear Regression Models. <i>Australian and New Zealand Journal of Statistics</i> , 2014, 56, 73-87.	0.9	24
35	Identification of important regressor groups, subgroups and individuals via regularization methods: application to gut microbiome data. <i>Bioinformatics</i> , 2014, 30, 831-837.	4.1	34
36	Revisiting fitting monotone polynomials to data. <i>Computational Statistics</i> , 2013, 28, 1989-2005.	1.5	16

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37	Graphical tools for model selection in generalized linear models. <i>Statistics in Medicine</i> , 2013, 32, 4438-4451.	1.6	10
38	Structured variable selection with q-values. <i>Biostatistics</i> , 2013, 14, 695-707.	1.5	8
39	Controlling the local false discovery rate in the adaptive Lasso. <i>Biostatistics</i> , 2013, 14, 653-666.	1.5	12
40	A prediction model for viability at the end of the first trimester after a single early pregnancy evaluation. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2013, 53, 51-57.	1.0	18
41	Model Selection in Linear Mixed Models. <i>Statistical Science</i> , 2013, 28, .	2.8	192
42	A robust scale estimator based on pairwise means. <i>Journal of Nonparametric Statistics</i> , 2012, 24, 187-199.	0.9	7
43	Exploring Multicollinearity Using a Random Matrix Theory Approach. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2012, 11, Article 15.	0.6	2
44	The latency distribution of motor evoked potentials in patients with multiple sclerosis. <i>Clinical Neurophysiology</i> , 2012, 123, 2414-2421.	1.5	16
45	A method to measure the distribution of latencies of motor evoked potentials in man. <i>Clinical Neurophysiology</i> , 2011, 122, 176-182.	1.5	6
46	Predation risk and competitive interactions affect foraging of an endangered refuge-dependent herbivore. <i>Animal Conservation</i> , 2011, 14, 447-457.	2.9	12
47	Partially smooth tail-index estimation for small samples. <i>Computational Statistics</i> , 2011, 26, 491-505.	1.5	2
48	Empirical Performance of Cross-Validation With Oracle Methods in a Genomics Context. <i>American Statistician</i> , 2011, 65, 223-228.	1.6	16
49	Assessing Modularity Using a Random Matrix Theory Approach. <i>Statistical Applications in Genetics and Molecular Biology</i> , 2011, 10, .	0.6	1
50	A Note on the Effect on Power of Score Tests via Dimension Reduction by Penalized Regression under the Null. <i>International Journal of Biostatistics</i> , 2010, 6, Article 12.	0.7	6
51	On Model Selection Curves. <i>International Statistical Review</i> , 2010, 78, 240-256.	1.9	17
52	Smooth tail-index estimation. <i>Journal of Statistical Computation and Simulation</i> , 2009, 79, 1155-1167.	1.2	15
53	PARTIALLY LINEAR MODEL SELECTION BY THE BOOTSTRAP. <i>Australian and New Zealand Journal of Statistics</i> , 2009, 51, 183-200.	0.9	3
54	On the max-domain of attraction of distributions with log-concave densities. <i>Statistics and Probability Letters</i> , 2008, 78, 1440-1444.	0.7	3

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55	Estimating the number of motor units using random sums with independently thinned terms. <i>Mathematical Biosciences</i> , 2006, 202, 29-41.	1.9	7
56	Weighted least squares estimation of the extreme value index. <i>Statistics and Probability Letters</i> , 2006, 76, 920-930.	0.7	5
57	TWO-STAGE SUPPORT ESTIMATION. <i>Australian and New Zealand Journal of Statistics</i> , 2005, 47, 463-472.	0.9	1
58	Iterative Estimation of the Extreme Value Index. <i>Methodology and Computing in Applied Probability</i> , 2005, 7, 139-148.	1.2	5
59	Outlier Robust Model Selection in Linear Regression. <i>Journal of the American Statistical Association</i> , 2005, 100, 1297-1310.	3.1	76
60	Association between periodontal and peri-implant conditions: a 10-year prospective study. <i>Clinical Oral Implants Research</i> , 2004, 15, 1-7.	4.5	171
61	Tail Estimation Based on Numbers of Near m-Extremes. <i>Methodology and Computing in Applied Probability</i> , 2003, 5, 197-210.	1.2	10
62	Phase II Study of Capecitabine and Oxaliplatin in First- and Second-Line Treatment of Advanced or Metastatic Colorectal Cancer. <i>Journal of Clinical Oncology</i> , 2002, 20, 1759-1766.	1.6	161
63	Prolonged unloading of rat soleus muscle causes distinct adaptations of the gene profile. <i>FASEB Journal</i> , 2002, 16, 884-886.	0.5	90
64	Predictive Value of Radiological Criteria for Disintegration Rates of Extracorporeal Shock Wave Lithotripsy. <i>Urologia Internationalis</i> , 2001, 66, 127-130.	1.3	10
65	A QUANTITATIVE FABRIC ANALYSIS APPROACH TO THE DISCRIMINATION OF WHITE MARBLES. <i>Archaeometry</i> , 1999, 41, 239-252.	1.3	14
66	Estimation of graphical models for skew continuous data. <i>Scandinavian Journal of Statistics</i> , 0, , .	1.4	0