Samuel Mueller

List of Publications by Year
in descending order

66 papers	**1,389** citations	516710 **16** h-index
70 all docs	**70** docs citations	**70** times ranked

361022 **35** g-index

1769 citing authors

#	Article	IF	Citations
1	Model Selection in Linear Mixed Models. Statistical Science, 2013, 28, .	2.8	192
2	Association between periodontal and peri-implant conditions: a 10-year prospective study. Clinical Oral Implants Research, 2004, 15, 1-7.	4.5	171
3	Phase II Study of Capecitabine and Oxaliplatin in First- and Second-Line Treatment of Advanced or Metastatic Colorectal Cancer. Journal of Clinical Oncology, 2002, 20, 1759-1766.	1.6	161
4	Prolonged unloading of rat soleus muscle causes distinct adaptations of the gene profile. FASEB Journal, 2002, 16, 884-886.	0.5	90
5	Identification, Review, and Systematic Cross-Validation of microRNA Prognostic Signatures in Metastatic Melanoma. Journal of Investigative Dermatology, 2016, 136, 245-254.	0.7	82
6	Outlier Robust Model Selection in Linear Regression. Journal of the American Statistical Association, 2005, 100, 1297-1310.	3.1	76
7	Determination of prognosis in metastatic melanoma through integration of clinico€pathologic, mutation, mRNA, microRNA, and protein information. International Journal of Cancer, 2015, 136, 863-874.	5.1	67
8	Robust estimation of precision matrices under cellwise contamination. Computational Statistics and Data Analysis, 2016, 93, 404-420.	1.2	37
9	Identification of important regressor groups, subgroups and individuals via regularization methods: application to gut microbiome data. Bioinformatics, 2014, 30, 831-837.	4.1	34
10	Joint Selection in Mixed Models using Regularized PQL. Journal of the American Statistical Association, 2017, 112, 1323-1333.	3.1	33
11	A variational Bayes approach to variable selection. Electronic Journal of Statistics, 2017, 11, .	0.7	28
12	On Variational Bayes Estimation and Variational Information Criteria for Linear Regression Models. Australian and New Zealand Journal of Statistics, 2014, 56, 73-87.	0.9	24
13	A prediction model for viability at the end of the first trimester after a single early pregnancy evaluation. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2013, 53, 51-57.	1.0	18
14	Fast and flexible methods for monotone polynomial fitting. Journal of Statistical Computation and Simulation, 2016, 86, 2946-2966.	1.2	18
15	On Model Selection Curves. International Statistical Review, 2010, 78, 240-256.	1.9	17
16	Empirical Performance of Cross-Validation With Oracle Methods in a Genomics Context. American Statistician, 2011, 65, 223-228.	1.6	16
17	The latency distribution of motor evoked potentials in patients with multiple sclerosis. Clinical Neurophysiology, 2012, 123, 2414-2421.	1.5	16
18	Revisiting fitting monotone polynomials to data. Computational Statistics, 2013, 28, 1989-2005.	1.5	16

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19	Smooth tail-index estimation. Journal of Statistical Computation and Simulation, 2009, 79, 1155-1167.	1.2	15
20	A QUANTITATIVE FABRIC ANALYSIS APPROACH TO THE DISCRIMINATION OF WHITE MARBLES. Archaeometry, 1999, 41, 239-252.	1.3	14
21	Predation risk and competitive interactions affect foraging of an endangered refuge‐dependent herbivore. Animal Conservation, 2011, 14, 447-457.	2.9	12
22	Controlling the local false discovery rate in the adaptive Lasso. Biostatistics, 2013, 14, 653-666.	1.5	12
23	Predictive Value of Radiological Criteria for Disintegration Rates of Extracorporeal Shock Wave Lithotripsy. Urologia Internationalis, 2001, 66, 127-130.	1.3	10
24	Tail Estimation Based on Numbers of Near m-Extremes. Methodology and Computing in Applied Probability, 2003, 5, 197-210.	1.2	10
25	Graphical tools for model selection in generalized linear models. Statistics in Medicine, 2013, 32, 4438-4451.	1.6	10
26	Semiparametric Regression Using Variational Approximations. Journal of the American Statistical Association, 2019, 114, 1765-1777.	3.1	10
27	A multi-step classifier addressing cohort heterogeneity improves performance of prognostic biomarkers in three cancer types. Oncotarget, 2017, 8, 2807-2815.	1.8	10
28	Structured variable selection with q-values. Biostatistics, 2013, 14, 695-707.	1.5	8
29	On generalized degrees of freedom with application in linear mixed models selection. Statistics and Computing, 2016, 26, 199-210.	1.5	8
30	Estimating the number of motor units using random sums with independently thinned terms. Mathematical Biosciences, 2006, 202, 29-41.	1.9	7
31	A robust scale estimator based on pairwise means. Journal of Nonparametric Statistics, 2012, 24, 187-199.	0.9	7
32	Prediction modeling—part 2: using machine learning strategies to improve transplantation outcomes. Kidney International, 2021, 99, 817-823.	5.2	7
33	A Note on the Effect on Power of Score Tests via Dimension Reduction by Penalized Regression under the Null. International Journal of Biostatistics, 2010, 6, Article 12.	0.7	6
34	A method to measure the distribution of latencies of motor evoked potentials in man. Clinical Neurophysiology, 2011, 122, 176-182.	1.5	6
35	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
36	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

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37	**mplot**: An *R* Package for Graphical Model Stability and Variable Selection Procedures. Journal of Statistical Software, 2018, 83, .	3.7	6
38	Iterative Estimation of the Extreme Value Index. Methodology and Computing in Applied Probability, 2005, 7, 139-148.	1.2	5
39	Weighted least squares estimation of the extreme value index. Statistics and Probability Letters, 2006, 76, 920-930.	0.7	5
40	Sparse Pairwise Likelihood Estimation for Multivariate Longitudinal Mixed Models. Journal of the American Statistical Association, 2018, 113, 1759-1769.	3.1	5
41	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
42	MCVIS: A New Framework for Collinearity Discovery, Diagnostic, and Visualization. Journal of Computational and Graphical Statistics, 2021, 30, 125-132.	1.7	5
43	Inferring data-specific micro-RNA function through the joint ranking of micro-RNA and pathways from matched micro-RNA and gene expression data. Bioinformatics, 2015, 31, 2822-2828.	4.1	4
44	Hierarchical Selection of Fixed and Random Effects in Generalized Linear Mixed Models. Statistica Sinica, 2017, , .	0.3	4
45	On the max-domain of attraction of distributions with log-concave densities. Statistics and Probability Letters, 2008, 78, 1440-1444.	0.7	3
46	PARTIALLY LINEAR MODEL SELECTION BY THE BOOTSTRAP. Australian and New Zealand Journal of Statistics, 2009, 51, 183-200.	0.9	3
47	The difference of symmetric quantiles under long range dependence. Statistics and Probability Letters, 2015, 98, 144-150.	0.7	3
48	Cox regression with exclusion frequency-based weights to identify neuroimaging markers relevant to Huntington's disease onset. Annals of Applied Statistics, 2016, 10, 2130-2156.	1.1	3
49	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
50	Cross-Platform Omics Prediction procedure: a statistical machine learning framework for wider implementation of precision medicine. Npj Digital Medicine, 2022, 5, .	10.9	3
51	Partially smooth tail-index estimation for small samples. Computational Statistics, 2011, 26, 491-505.	1.5	2
52	Exploring Multicollinearity Using a Random Matrix Theory Approach. Statistical Applications in Genetics and Molecular Biology, 2012, 11, Article 15.	0.6	2
53	LC-N2G: a local consistency approach for nutrigenomics data analysis. BMC Bioinformatics, 2020, 21, 530.	2.6	2
54	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

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55	The LASSO on latent indices for regression modeling with ordinal categorical predictors. Computational Statistics and Data Analysis, 2020, 149, 106951.	1.2	2
56	Screening Methods for Linear Errors-in-Variables Models in High Dimensions. Biometrics, 2023, 79, 926-939.	1.4	2
57	TWO-STAGE SUPPORT ESTIMATION. Australian and New Zealand Journal of Statistics, 2005, 47, 463-472.	0.9	1
58	Assessing Modularity Using a Random Matrix Theory Approach. Statistical Applications in Genetics and Molecular Biology, 2011, 10, .	0.6	1
59	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
60	bcGSTâ€"an interactive bias-correction method to identify over-represented gene-sets in boutique arrays. Bioinformatics, 2019, 35, 1350-1357.	4.1	1
61	svReg: Structural varyingâ€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
62	037â€¦The gut microbiome in Parkinsonâ€™s disease: longitudinal insights into disease progression and the use of device-assisted therapies. , 2021, , .		0
63	015â€¦Gut microbiota and nutritional profiles of Parkinsonâ€™s disease patients. , 2021, , .		0
64	A PERSONALISED PREDICTION MODEL FOR ALLOGRAFT SURVIVAL AFTER KIDNEY TRANSPLANTATION. Transplantation, 2020, 104, S41-S41.	1.0	0
65	IDENTIFICATION OF DRIVEN RISK FACTORS FOR HLA-DR IN KIDNEY TRANSPLANTATION. Transplantation, 2020, 104, S420-S420.	1.0	0
66	Estimation of graphical models for skew continuous data. Scandinavian Journal of Statistics, 0, , .	1.4	0