Sonja Greven

List of Publications by Year
in descending order

51	2,519	331670	197818
papers	citations	21	49
		h-index	g-index

53	53	53	3451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Predicting Question Difficulty in Web Surveys: A Machine Learning Approach Based on Mouse Movement Features. Social Science Computer Review, 2023, 41, 141-162.	4.2	4
2	Multivariate functional additive mixed models. Statistical Modelling, 2023, 23, 303-326.	1.1	5
3	Elastic Analysis of Irregularly or Sparsely Sampled Curves. Biometrics, 2023, 79, 2103-2115.	1.4	5
4	Selective inference for additive and linear mixed models. Computational Statistics and Data Analysis, 2022, 167, 107350.	1.2	4
5	Adaptive step-length selection in gradient boosting for Gaussian location and scale models. Computational Statistics, 2022, 37, 2295-2332.	1.5	3
6	Boosting functional response models for location, scale and shape with an application to bacterial competition. Statistical Modelling, 2021, 21, 385-404.	1.1	3
7	Conditional Model Selection in Mixed-Effects Models with cAIC4. Journal of Statistical Software, 2021, 99, .	3.7	22
8	Inference for $$L_2$$-Boosting. Statistics and Computing, 2020, 30, 279-289.	1.5	5
9	Comments on: Inference and computation with Generalized Additive Models and their extensions. Test, 2020, 29, 343-350.	1.1	2
10	Boosting Functional Regression Models with FDboost. Journal of Statistical Software, 2020, 94, .	3.7	14
11	A general framework for multivariate functional principal component analysis of amplitude and phase variation. Stat, 2019, 8, e220.	0.4	7
12	Selective inference after likelihood- or test-based model selection in linear models. Statistics and Probability Letters, 2018, 140, 7-12.	0.7	7
13	Multivariate Functional Principal Component Analysis for Data Observed on Different (Dimensional) Domains. Journal of the American Statistical Association, 2018, 113, 649-659.	3.1	187
14	Boosting Factor-Specific Functional Historical Models for the Detection of Synchronization in Bioelectrical Signals. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 621-642.	1.0	14
15	Fast symmetric additive covariance smoothing. Computational Statistics and Data Analysis, 2018, 120, 25-41.	1.2	6
16	Signal Regression Models for Location, Scale and Shape with an Application to Stock Returns. Journal of the Royal Statistical Society Series C: Applied Statistics, 2018, 67, 665-686.	1.0	6
17	Nonlinear association structures in flexible Bayesian additive joint models. Statistics in Medicine, 2018, 37, 4771-4788.	1.6	7
18	The impact of model assumptions in scalarâ€onâ€image regression. Statistics in Medicine, 2018, 37, 4298-4317.	1.6	6

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19	Serotonin Selective Reuptake Inhibitor Treatment Improves Cognition and Grey Matter Atrophy but not Amyloid Burden During Two-Year Follow-Up in Mild Cognitive Impairment and Alzheimer's Disease Patients with Depressive Symptoms. Journal of Alzheimer's Disease, 2018, 65, 793-806.	2.6	23
20	Modelling a response as a function of high-frequency count data: The association between physical activity and fat mass. Statistical Methods in Medical Research, 2017, 26, 2210-2226.	1.5	19
21	A general framework for functional regression modelling. Statistical Modelling, 2017, 17, 1-35.	1.1	79
22	Joint modeling of longitudinal autoantibody patterns and progression to type 1 diabetes: results from the TEDDY study. Acta Diabetologica, 2017, 54, 1009-1017.	2.5	24
23	Flexible Bayesian additive joint models with an application to type 1 diabetes research. Biometrical Journal, 2017, 59, 1144-1165.	1.0	15
24	Mixed modeling for irregularly sampled and correlated functional data: Speech science applications. Journal of the Acoustical Society of America, 2017, 142, 935-946.	1.1	9
25	Boosting flexible functional regression models with a high number of functional historical effects. Statistics and Computing, 2017, 27, 913-926.	1.5	22
26	Generalized functional additive mixed models. Electronic Journal of Statistics, 2016, 10, .	0.7	34
27	Functional linear mixed models for irregularly or sparsely sampled data. Statistical Modelling, 2016, 16, 67-88.	1.1	25
28	Structured Functional Principal Component Analysis. Biometrics, 2015, 71, 247-257.	1.4	41
29	Functional Additive Mixed Models. Journal of Computational and Graphical Statistics, 2015, 24, 477-501.	1.7	147
30	The functional linear array model. Statistical Modelling, 2015, 15, 279-300.	1.1	37
31	Penalized function-on-function regression. Computational Statistics, 2015, 30, 539-568.	1.5	84
32	Penalized scalar-on-functions regression with interaction term. Computational Statistics and Data Analysis, 2015, 81, 38-51.	1.2	18
33	Longitudinal high-dimensional principal components analysis with application to diffusion tensor imaging of multiple sclerosis. Annals of Applied Statistics, 2014, 8, 2175-2202.	1.1	33
34	On likelihood ratio testing for penalized splines. AStA Advances in Statistical Analysis, 2013, 97, 387-402.	0.9	4
35	Longitudinal scalar-on-functions regression with application to tractography data. Biostatistics, 2013, 14, 447-461.	1.5	38
36	Variability of fibrinogen measurements in post-myocardial infarction patients. Thrombosis and Haemostasis, 2012, 107, 895-902.	3.4	2

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37	An Approach to the Estimation of Chronic Air Pollution Effects Using Spatio-Temporal Information. Journal of the American Statistical Association, 2011, 106, 396-406.	3.1	57
38	Restricted likelihood ratio testing in linear mixed models with general error covariance structure. Electronic Journal of Statistics, 2011, 5, .	0.7	10
39	Ambient Air Pollution and Lipoprotein-Associated Phospholipase A$_2$ in Survivors of Myocardial Infarction. Environmental Health Perspectives, 2011, 119, 921-926.	6.0	16
40	Longitudinal functional principal component analysis. Electronic Journal of Statistics, 2010, 4, 1022-1054.	0.7	123
41	Reproducibility in Serial C-Reactive Protein and Interleukin-6 Measurements in Post–Myocardial Infarction Patients: Results from the AIRGENE Study. Clinical Chemistry, 2010, 56, 861-864.	3.2	19
42	On the behaviour of marginal and conditional AIC in linear mixed models. Biometrika, 2010, 97, 773-789.	2.4	187
43	Fibrinogen Genes Modify the Fibrinogen Response to Ambient Particulate Matter. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 484-491.	5.6	34
44	Size and power of tests for a zero random effect variance or polynomial regression in additive and linear mixed models. Computational Statistics and Data Analysis, 2008, 52, 3283-3299.	1.2	255
45	Common Genetic Polymorphisms and Haplotypes of Fibrinogen Alpha, Beta, and Gamma Chains Affect Fibrinogen Levels and the Response to Proinflammatory Stimulation in Myocardial Infarction Survivors. Journal of the American College of Cardiology, 2008, 52, 941-952.	2.8	50
46	Restricted Likelihood Ratio Testing for Zero Variance Components in Linear Mixed Models. Journal of Computational and Graphical Statistics, 2008, 17, 870-891.	1.7	100
47	Variability of Serial Lipoprotein-Associated Phospholipase A2 Measurements in Post–Myocardial Infarction Patients: Results from the AIRGENE Study Center Augsburg. Clinical Chemistry, 2008, 54, 124-130.	3.2	23
48	Cardiovascular Events during World Cup Soccer. New England Journal of Medicine, 2008, 358, 475-483.	27.0	368
49	DNA variants, plasma levels and variability of C-reactive protein in myocardial infarction survivors: results from the AIRGENE study. European Heart Journal, 2008, 29, 1250-1258.	2.2	37
50	Air Pollution and Inflammation (Interleukin-6, C-Reactive Protein, Fibrinogen) in Myocardial Infarction Survivors. Environmental Health Perspectives, 2007, 115, 1072-1080.	6.0	252
51	A Parametric Model for Studying Organism Fitness Using Step-Stress Experiments. Biometrics, 2004, 60, 793-799.	1.4	18