Andreas Groll

List of Publications by Year
in descending order

54 papers	**1,010** citations	566801 **15** h-index	500791 **28** g-index
57 all docs	**57** docs citations	**57** times ranked	**1302** citing authors

#	Article	IF	Citations
1	Variable selection for generalized linear mixed models by L 1-penalized estimation. Statistics and Computing, 2014, 24, 137-154.	0.8	163
2	Nonprogressing HIV-infected children share fundamental immunological features of nonpathogenic SIV infection. Science Translational Medicine, 2016, 8, 358ra125.	5.8	121
3	Machine learning and conventional statistics: making sense of the differences. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 753-757.	2.3	56
4	A generalized additive model approach to time-to-event analysis. Statistical Modelling, 2018, 18, 299-321.	0.5	54
5	Malnutrition in HIV-Infected Children Is an Indicator of Severe Disease with an Impaired Response to Antiretroviral Therapy. AIDS Research and Human Retroviruses, 2018, 34, 46-55.	0.5	35
6	Artificial intelligence and machine learning: an introduction for orthopaedic surgeons. Knee Surgery, Sports Traumatology, Arthroscopy, 2022, 30, 361-364.	2.3	35
7	Sex differences in injury rates in team-sport athletes: A systematic review and meta-regression analysis. Journal of Sport and Health Science, 2022, 11, 104-114.	3.3	32
8	Evaluating diagnostic tests for bovine tuberculosis in the southern part of Germany: A latent class analysis. PLoS ONE, 2017, 12, e0179847.	1.1	31
9	A hybrid random forest to predict soccer matches in international tournaments. Journal of Quantitative Analysis in Sports, 2019, 15, 271-287.	0.5	29
10	Regularization for Generalized Additive Mixed Models by Likelihood-based Boosting. Methods of Information in Medicine, 2012, 51, 168-177.	0.7	28
11	Intensity-based premium evaluation for unemployment insurance products. Insurance: Mathematics and Economics, 2013, 53, 302-316.	0.7	28
12	Prediction of major international soccer tournaments based on team-specific regularized Poisson regression: An application to the FIFA World Cup 2014. Journal of Quantitative Analysis in Sports, 2015, 11, .	0.5	26
13	Understanding the economic determinants of the severity of operational losses: A regularized generalized Pareto regression approach. Journal of Applied Econometrics, 2018, 33, 898-935.	1.3	24
14	HIGH-FREQUENCY failure of combination antiretroviral therapy in paediatric HIV infection is associated with unmet maternal needs causing maternal NON-ADHERENCE. EClinicalMedicine, 2020, 22, 100344.	3.2	23
15	On the dependency of soccer scores – a sparse bivariate Poisson model for the UEFA European football championship 2016. Journal of Quantitative Analysis in Sports, 2018, 14, 65-79.	0.5	21
16	Longitudinal evaluation of medication underuse in older outpatients and its association with quality of life. European Journal of Clinical Pharmacology, 2016, 72, 877-885.	0.8	19
17	LASSO-type penalization in the framework of generalized additive models for location, scale and shape. Computational Statistics and Data Analysis, 2019, 140, 59-73.	0.7	19
18	A consistent two-factor model for pricing temperature derivatives. Energy Economics, 2016, 55, 112-126.	5.6	18

#	Article	IF	Citations
19	Analysis of the importance of on-field covariates in the German Bundesliga. Journal of Applied Statistics, 2018, 45, 1561-1578.	0.6	18
20	Predicting matches in international football tournaments with random forests. Statistical Modelling, 2018, 18, 460-482.	0.5	17
21	Sex-specific innate immune selection of HIV-1 in utero is associated with increased female susceptibility to infection. Nature Communications, 2020, 11, 1767.	5.8	15
22	Spain retains its title and sets a new record – generalized linear mixed models on European football championships. Journal of Quantitative Analysis in Sports, 2013, 9, 51-66.	0.5	13
23	Increased Regulatory T-Cell Activity and Enhanced T-Cell Homeostatic Signaling in Slow Progressing HIV-infected Children. Frontiers in Immunology, 2019, 10, 213.	2.2	13
24	Generalized Linear Mixed Models Based on Boosting. , 2010, , 197-215.		13
25	An HLA-I signature favouring KIR-educated Natural Killer cells mediates immune control of HIV in children and contrasts with the HLA-B-restricted CD8+ T-cell-mediated immune control in adults. PLoS Pathogens, 2021, 17, e1010090.	2.1	12
26	Selection of Effects in Cox Frailty Models by Regularization Methods. Biometrics, 2017, 73, 846-856.	0.8	11
27	Likelihood-Based Boosting in Binary and Ordinal Random Effects Models. Journal of Computational and Graphical Statistics, 2013, 22, 356-378.	0.9	9
28	Flexible Instrumental Variable Distributional Regression. Journal of the Royal Statistical Society Series A: Statistics in Society, 2020, 183, 1553-1574.	0.6	9
29	Early Initiation of Antiretroviral Therapy Following In Utero HIV Infection Is Associated With Low Viral Reservoirs but Other Factors Determine Viral Rebound. Journal of Infectious Diseases, 2021, 224, 1925-1934.	1.9	9
30	The Interval Between Matches Significantly Influences Injury Risk in Field Hockey. International Journal of Sports Medicine, 2022, 43, 262-268.	0.8	9
31	Maximum isometric torque at individually-adjusted joint angles exceeds eccentric and concentric torque in lower extremity joint actions. BMC Sports Science, Medicine and Rehabilitation, 2022, 14, 13.	0.7	9
32	Variable selection in discrete survival models including heterogeneity. Lifetime Data Analysis, 2017, 23, 305-338.	0.4	8
33	Prediction of Drug-Related Risks Using Clinical Context Information in Longitudinal Claims Data. Value in Health, 2018, 21, 1390-1398.	0.1	8
34	Prediction of the 2019 IHF World Men's Handball Championship – A sparse Gaussian approximation model. Journal of Sports Analytics, 2020, 6, 187-197.	0.5	8
35	Disease-dependent variations in the timing and causes of readmissions in Germany: A claims data analysis for six different conditions. PLoS ONE, 2021, 16, e0250298.	1.1	8
36	Game Exposure, Player Characteristics, and Neuromuscular Performance Influence Injury Risk in Professional and Youth Field Hockey Players. Orthopaedic Journal of Sports Medicine, 2021, 9, 232596712199516.	0.8	6

#	Article	IF	Citations
37	A machine learning approach for modelling the occurrence of Galba truncatula as the major intermediate host for Fasciola hepatica in Switzerland. Preventive Veterinary Medicine, 2022, 200, 105569.	0.7	6
38	Can Machine Learning from Real-World Data Support Drug Treatment Decisions? A Prediction Modeling Case for Direct Oral Anticoagulants. Medical Decision Making, 2021, , 0272989X2110646.	1.2	6
39	How can we define and analyse drug exposure more precisely to improve the prediction of hospitalizations in longitudinal (claims) data?. European Journal of Clinical Pharmacology, 2017, 73, 373-380.	0.8	5
40	Plasma IL-5 but Not CXCL13 Correlates With Neutralization Breadth in HIV-Infected Children. Frontiers in Immunology, 2019, 10, 1497.	2.2	5
41	Using the Causal Inference Framework to Support Individualized Drug Treatment Decisions Based on Observational Healthcare Data . Clinical Epidemiology, 2020, Volume 12, 1223-1234.	1.5	5
42	Generalised joint regression for count data: a penalty extension for competitive settings. Statistics and Computing, 2020, 30, 1419-1432.	0.8	5
43	Walking activity during ambulant cardiac rehabilitation is related to maximum working capacity, age, and smoking behavior. Vascular Health and Risk Management, 2018, Volume 14, 361-369.	1.0	4
44	Guest Editorial â€˜Statistical Modelling for Sports Analyticsâ€™. Statistical Modelling, 2018, 18, 385-387.	0.5	3
45	Addressing cluster-constant covariates in mixed effects models via likelihood-based boosting techniques. PLoS ONE, 2021, 16, e0254178.	1.1	3
46	Introducing LASSO-type penalisation to generalised joint regression modelling for count data. AStA Advances in Statistical Analysis, 0, , 1.	0.4	3
47	Machine learning for tumor growth inhibition: Interpretable predictive models for transparency and reproducibility. CPT: Pharmacometrics and Systems Pharmacology, 2022, 11, 257-261.	1.3	3
48	Joint Modelling Approaches to Survival Analysis via Likelihood-Based Boosting Techniques. Computational and Mathematical Methods in Medicine, 2021, 2021, 1-11.	0.7	2
49	Guest Editorial â€˜Statistical Modelling for Sports Analyticsâ€™. Statistical Modelling, 2019, 19, 3-4.	0.5	1
50	Predicting Hospital Readmissions from Health Insurance Claims Data: A Modeling Study Targeting Potentially Inappropriate Prescribing. Methods of Information in Medicine, 2022, 61, 055-060.	0.7	1
51	Risk Minimization for Insurance Products via F-Doubly Stochastic Markov Chains. Risks, 2016, 4, 23.	1.3	0
52	Understanding the Economic Determinants of the Severity of Operational Losses: A Regularized Generalized Pareto Regression Approach. SSRN Electronic Journal, 0, , .	0.4	0
53	Editorial 'Bridging the gap between methodology and applications: Tutorials on semiparametric regression'. Statistical Modelling, 2018, 18, 199-202.	0.5	0
54	Interactions of scores derived from two groups of variables: Alternating lasso regularization avoids overfitting and finds interpretable scores.. Psychological Methods, 2023, 28, 422-437.	2.7	0