Hans-Georg MÃ¼ller

List of Publications by Year
in descending order

83 papers	4,527 citations	201674 27 h-index	110387 64 g-index
87 all docs	87 docs citations	87 times ranked	3808 citing authors

#	Article	IF	Citations
1	Functional Data Analysis for Sparse Longitudinal Data. Journal of the American Statistical Association, 2005, 100, 577-590.	3.1	1,058
2	Genome sequence of the progenitor of the wheat D genome Aegilops tauschii. Nature, 2017, 551, 498-502.	27.8	563
3	Functional Data Analysis. Annual Review of Statistics and Its Application, 2016, 3, 257-295.	7.0	506
4	Properties of principal component methods for functional and longitudinal data analysis. Annals of Statistics, 2006, 34, 1493.	2.6	298
5	Functional Modelling and Classification of Longitudinal Data*. Scandinavian Journal of Statistics, 2005, 32, 223-240.	1.4	162
6	Functional Additive Models. Journal of the American Statistical Association, 2008, 103, 1534-1544.	3.1	161
7	Fertility and Life Span: Late Children Enhance Female Longevity. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2002, 57, B202-B206.	3.6	109
8	Functional data analysis for density functions by transformation to a Hilbert space. Annals of Statistics, 2016, 44, .	2.6	95
9	Functional Convex Averaging and Synchronization for Time-Warped Random Curves. Journal of the American Statistical Association, 2004, 99, 687-699.	3.1	84
10	Covariate Adjusted Correlation Analysis via Varying Coefficient Models. Scandinavian Journal of Statistics, 2005, 32, 365-383.	1.4	68
11	Modeling Repeated Functional Observations. Journal of the American Statistical Association, 2012, 107, 1599-1609.	3.1	66
12	FrÃ©chet regression for random objects with Euclidean predictors. Annals of Statistics, 2019, 47, .	2.6	66
13	Dynamical Correlation for Multivariate Longitudinal Data. Journal of the American Statistical Association, 2005, 100, 872-881.	3.1	63
14	Demographic window to aging in the wild: constructing life tables and estimating survival functions from marked individuals of unknown age. Aging Cell, 2004, 3, 125-131.	6.7	62
15	Functional Varying Coefficient Models for Longitudinal Data. Journal of the American Statistical Association, 2010, 105, 1256-1264.	3.1	62
16	Locally adaptive hazard smoothing. Probability Theory and Related Fields, 1990, 85, 523-538.	1.8	60
17	Estimating Derivatives for Samples of Sparsely Observed Functions, With Application to Online Auction Dynamics. Journal of the American Statistical Association, 2009, 104, 704-717.	3.1	54
18	Semiparametric method for estimating paleodemographic profiles from age indicator data. American Journal of Physical Anthropology, 2002, 117, 1-14.	2.1	49

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19	Time-Varying Functional Regression for Predicting Remaining Lifetime Distributions from Longitudinal Trajectories. Biometrics, 2005, 61, 1064-1075.	1.4	49
20	Quasi-Likelihood Regression with Unknown Link and Variance Functions. Journal of the American Statistical Association, 1998, 93, 1376-1387.	3.1	48
21	Modeling Hazard Rates as Functional Data for the Analysis of Cohort Lifetables and Mortality Forecasting. Journal of the American Statistical Association, 2009, 104, 572-585.	3.1	46
22	An Accelerated-Time Model for Response Curves. Journal of the American Statistical Association, 1997, 92, 72-83.	3.1	44
23	Continuously additive models for nonlinear functional regression. Biometrika, 2013, 100, 607-622.	2.4	42
24	Virgin females compete for mates in the male lekking species Ceratitis capitata. Physiological Entomology, 2009, 34, 238-245.	1.5	38
25	Varying-coefficient functional linear regression. Bernoulli, 2010, 16, .	1.3	35
26	Inferring gene expression dynamics via functional regression analysis. BMC Bioinformatics, 2008, 9, 60.	2.6	32
27	Structural variation and rates of genome evolution in the grass family seen through comparison of sequences of genomes greatly differing in size. Plant Journal, 2018, 95, 487-503.	5.7	31
28	Longitudinal associations between white matter maturation and cognitive development across early childhood. Human Brain Mapping, 2019, 40, 4130-4145.	3.6	30
29	Functional Variance Processes. Journal of the American Statistical Association, 2006, 101, 1007-1018.	3.1	29
30	Time dynamics of COVID-19. Scientific Reports, 2020, 10, 21040.	3.3	29
31	Survival and aging in the wild via residual demography. Theoretical Population Biology, 2007, 72, 513-522.	1.1	27
32	Quantifying Infinite-Dimensional Data: Functional Data Analysis in Action. Statistics in Biosciences, 2017, 9, 582-604.	1.2	27
33	Stringing High-Dimensional Data for Functional Analysis. Journal of the American Statistical Association, 2011, 106, 275-284.	3.1	26
34	FrÃ©chet analysis of variance for random objects. Biometrika, 2019, 106, 803-821.	2.4	23
35	Spatial Smoothing of Geographically Aggregated Data, with Application to the Construction of Incidence Maps. Journal of the American Statistical Association, 1997, 92, 61-71.	3.1	21
36	Functional principal component analysis for identifying multivariate patterns and archetypes of growth, and their association with long-term cognitive development. PLoS ONE, 2018, 13, e0207073.	2.5	19

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37	Additive Functional Regression for Densities as Responses. Journal of the American Statistical Association, 2020, 115, 997-1010.	3.1	18
38	Reproduction is adapted to survival characteristics across geographically isolated medfly populations. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4409-4416.	2.6	16
39	Wasserstein covariance for multiple random densities. Biometrika, 2019, 106, 339-351.	2.4	16
40	Quasi-Likelihood Regression with Unknown Link and Variance Functions. Journal of the American Statistical Association, 1998, 93, 1376.	3.1	16
41	Event history graphs for censored survival data. Statistics in Medicine, 2001, 20, 2951-2964.	1.6	14
42	Order-Preserving Nonparametric Regression, With Applications to Conditional Distribution and Quantile Function Estimation. Journal of the American Statistical Association, 2003, 98, 598-608.	3.1	14
43	Birth and Death of LTR-Retrotransposons inAegilops tauschii. Genetics, 2018, 210, 1039-1051.	2.9	14
44	A Depletion-Repletion Folate Bioassay Based on Growth and Tissue Folate Concentrations of Rats. Journal of Nutrition, 1993, 123, 926-932.	2.9	13
45	Dynamic relations for sparsely sampled Gaussian processes. Test, 2010, 19, 1-29.	1.1	13
46	Female access and diet affect insemination success, senescence and the cost of reproduction in the male <scp>M</scp>exican fruit fly <scp>A</scp>nastrepha ludens. Physiological Entomology, 2015, 40, 65-71.	1.5	13
47	Age-dynamic networks and functional correlation for early white matter myelination. Brain Structure and Function, 2019, 224, 535-551.	2.3	13
48	Preaveraged Localized Orthogonal Polynomial Estimators for Surface Smoothing and Partial Differentiation. Journal of the American Statistical Association, 1992, 87, 1005-1017.	3.1	12
49	Nonparametric regression to the mean. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9715-9720.	7.1	12
50	Inferring stochastic dynamics from functional data. Biometrika, 2012, 99, 533-550.	2.4	10
51	Modeling Conditional Distributions for Functional Responses, With Application to Traffic Monitoring via GPS-Enabled Mobile Phones. Technometrics, 2014, 56, 347-358.	1.9	10
52	A pairwise interaction model for multivariate functional and longitudinal data. Biometrika, 2016, 103, 377-396.	2.4	10
53	Wasserstein Regression. Journal of the American Statistical Association, 2023, 118, 869-882.	3.1	10
54	Quantifying Individual Brain Connectivity with Functional Principal Component Analysis for Networks. Brain Connectivity, 2016, 6, 540-547.	1.7	9

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55	Modeling sparse longitudinal data on Riemannian manifolds. Biometrics, 2021, 77, 1328-1341.	1.4	9
56	Dynamic Modeling of Conditional Quantile Trajectories, With Application to Longitudinal Snippet Data. Journal of the American Statistical Association, 2018, 113, 1612-1624.	3.1	8
57	An Accelerated-Time Model for Response Curves. Journal of the American Statistical Association, 1997, 92, 72.	3.1	7
58	Real-Time Density and Mode Estimation With Application to Time-Dynamic Mode Tracking. Journal of Computational and Graphical Statistics, 2006, 15, 82-100.	1.7	6
59	Quantifying and Visualizing Intraregional Connectivity in Resting-State Functional Magnetic Resonance Imaging with Correlation Densities. Brain Connectivity, 2019, 9, 37-47.	1.7	6
60	Crossâ€component registration for multivariate functional data, with application to growth curves. Biometrics, 2021, 77, 839-851.	1.4	6
61	Modeling sparse longitudinal data in early neurodevelopment. NeuroImage, 2021, 237, 118079.	4.2	6
62	Uniform convergence of local FrÃ©chet regression with applications to locating extrema and time warping for metric space valued trajectories. Annals of Statistics, 2022, 50, .	2.6	6
63	High-Dimensional MANOVA Via Bootstrapping and Its Application to Functional and Sparse Count Data. Journal of the American Statistical Association, 2023, 118, 177-191.	3.1	5
64	Total variation regularized FrÃ©chet regression for metric-space valued data. Annals of Statistics, 2021, 49, .	2.6	5
65	Statistical Interaction Model for Exchangeability of Food Folates in a Rat Growth Bioassay. Journal of Nutrition, 1996, 126, 2585-2592.	2.9	4
66	Rejoinder on: dynamic relations for sparsely sampled Gaussian processes. Test, 2010, 19, 60-67.	1.1	4
67	Modeling Time-Varying Random Objects and Dynamic Networks. Journal of the American Statistical Association, 2022, 117, 2252-2267.	3.1	4
68	Change Trees and Mutagrams for the Visualization of Local Changes in Sequence Data. Journal of Computational and Graphical Statistics, 2004, 13, 571-585.	1.7	3
69	Cox Point Process Regression. IEEE Transactions on Information Theory, 2022, 68, 1133-1156.	2.4	3
70	Bootstrap Confidence Intervals for Effective Doses in the Probit Model for Doseâ€Response Data. Biometrical Journal, 1990, 32, 529-544.	1.0	2
71	Point process models for COVID-19 cases and deaths. Journal of Applied Statistics, 2023, 50, 2294-2309.	1.3	2
72	Regressing Longitudinal Response Trajectories on a Covariate. , 2006, , 305-324.		2

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73	Semiparametric Modeling of Labeled-Cell Kinetics, with Application to Isotope Labeling of Erythrocytes. Biometrics, 2002, 58, 937-945.	1.4	1
74	Comments on: Nonparametric inference with generalized likelihood ratio tests. Test, 2007, 16, 450-452.	1.1	1
75	Aegilops tauschiiGenome Sequence: A Framework for Meta-analysis of Wheat QTLs. G3: Genes, Genomes, Genetics, 2019, 9, 841-853.	1.8	1
76	Conditional distribution regression for functional responses. Scandinavian Journal of Statistics, 0, , .	1.4	1
77	Learning delay dynamics for multivariate stochastic processes, with application to the prediction of the growth rate of COVID-19 cases in the United States. Journal of Mathematical Analysis and Applications, 2022, 514, 125677.	1.0	1
78	Semiparametric method for estimating paleodemographic profiles from age indicator data. American Journal of Physical Anthropology, 2002, 117, 1.	2.1	1
79	Diet Shapes Mortality Response to Trauma in Old Tephritid Fruit Flies. PLoS ONE, 2016, 11, e0158468.	2.5	1
80	LINEARLY UNBIASED ESTIMATION OF CONDITIONAL MOMENT AND CORRELATION FUNCTIONS. , 2007, , 315-333.		0
81	Quantifying functionals of age distributions in the wild by solving an operator equation. Journal of Mathematical Biology, 2017, 75, 973-984.	1.9	0
82	Discussion: A Spatial Modeling Approach for Linguistic Object Data: Analyzing Dialect Sound Variations Across Great Britain, by Shahin Tavakoli etÂal.. Journal of the American Statistical Association, 2019, 114, 1099-1101.	3.1	0
83	Wasserstein gradients for the temporal evolution of probability distributions. Electronic Journal of Statistics, 2021, 15, .	0.7	0