

# Hans-Georg MÃ¼ller

## List of Publications by Year in descending order

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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	Point process models for COVID-19 cases and deaths. <i>Journal of Applied Statistics</i> , 2023, 50, 2294-2309.	1.3	2
2	High-Dimensional MANOVA Via Bootstrapping and Its Application to Functional and Sparse Count Data. <i>Journal of the American Statistical Association</i> , 2023, 118, 177-191.	3.1	5
3	Wasserstein Regression. <i>Journal of the American Statistical Association</i> , 2023, 118, 869-882.	3.1	10
4	Modeling Time-Varying Random Objects and Dynamic Networks. <i>Journal of the American Statistical Association</i> , 2022, 117, 2252-2267.	3.1	4
5	Learning delay dynamics for multivariate stochastic processes, with application to the prediction of the growth rate of COVID-19 cases in the United States. <i>Journal of Mathematical Analysis and Applications</i> , 2022, 514, 125677.	1.0	1
6	Cox Point Process Regression. <i>IEEE Transactions on Information Theory</i> , 2022, 68, 1133-1156.	2.4	3
7	Uniform convergence of local Fréchet regression with applications to locating extrema and time warping for metric space valued trajectories. <i>Annals of Statistics</i> , 2022, 50, .	2.6	6
8	Cross-component registration for multivariate functional data, with application to growth curves. <i>Biometrics</i> , 2021, 77, 839-851.	1.4	6
9	Modeling sparse longitudinal data on Riemannian manifolds. <i>Biometrics</i> , 2021, 77, 1328-1341.	1.4	9
10	Modeling sparse longitudinal data in early neurodevelopment. <i>NeuroImage</i> , 2021, 237, 118079.	4.2	6
11	Wasserstein gradients for the temporal evolution of probability distributions. <i>Electronic Journal of Statistics</i> , 2021, 15, .	0.7	0
12	Total variation regularized Fréchet regression for metric-space valued data. <i>Annals of Statistics</i> , 2021, 49, .	2.6	5
13	Additive Functional Regression for Densities as Responses. <i>Journal of the American Statistical Association</i> , 2020, 115, 997-1010.	3.1	18
14	Time dynamics of COVID-19. <i>Scientific Reports</i> , 2020, 10, 21040.	3.3	29
15	Discussion: A Spatial Modeling Approach for Linguistic Object Data: Analyzing Dialect Sound Variations Across Great Britain, by Shahin Tavakoli et al.. <i>Journal of the American Statistical Association</i> , 2019, 114, 1099-1101.	3.1	0
16	Fréchet analysis of variance for random objects. <i>Biometrika</i> , 2019, 106, 803-821.	2.4	23
17	Quantifying and Visualizing Intraregional Connectivity in Resting-State Functional Magnetic Resonance Imaging with Correlation Densities. <i>Brain Connectivity</i> , 2019, 9, 37-47.	1.7	6
18	<i>Triticum aestivum</i> Genome Sequence: A Framework for Meta-analysis of Wheat QTLs. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 841-853.	1.8	1

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19	Longitudinal associations between white matter maturation and cognitive development across early childhood. <i>Human Brain Mapping</i> , 2019, 40, 4130-4145.	3.6	30
20	Wasserstein covariance for multiple random densities. <i>Biometrika</i> , 2019, 106, 339-351.	2.4	16
21	Fréchet regression for random objects with Euclidean predictors. <i>Annals of Statistics</i> , 2019, 47, .	2.6	66
22	Age-dynamic networks and functional correlation for early white matter myelination. <i>Brain Structure and Function</i> , 2019, 224, 535-551.	2.3	13
23	Dynamic Modeling of Conditional Quantile Trajectories, With Application to Longitudinal Snippet Data. <i>Journal of the American Statistical Association</i> , 2018, 113, 1612-1624.	3.1	8
24	Functional principal component analysis for identifying multivariate patterns and archetypes of growth, and their association with long-term cognitive development. <i>PLoS ONE</i> , 2018, 13, e0207073.	2.5	19
25	Birth and Death of LTR-Retrotransposons in <i>Aegilops tauschii</i> . <i>Genetics</i> , 2018, 210, 1039-1051.	2.9	14
26	Structural variation and rates of genome evolution in the grass family seen through comparison of sequences of genomes greatly differing in size. <i>Plant Journal</i> , 2018, 95, 487-503.	5.7	31
27	Quantifying Infinite-Dimensional Data: Functional Data Analysis in Action. <i>Statistics in Biosciences</i> , 2017, 9, 582-604.	1.2	27
28	Quantifying functionals of age distributions in the wild by solving an operator equation. <i>Journal of Mathematical Biology</i> , 2017, 75, 973-984.	1.9	0
29	Genome sequence of the progenitor of the wheat D genome <i>Aegilops tauschii</i> . <i>Nature</i> , 2017, 551, 498-502.	27.8	563
30	Functional data analysis for density functions by transformation to a Hilbert space. <i>Annals of Statistics</i> , 2016, 44, .	2.6	95
31	Functional Data Analysis. <i>Annual Review of Statistics and Its Application</i> , 2016, 3, 257-295.	7.0	506
32	A pairwise interaction model for multivariate functional and longitudinal data. <i>Biometrika</i> , 2016, 103, 377-396.	2.4	10
33	Quantifying Individual Brain Connectivity with Functional Principal Component Analysis for Networks. <i>Brain Connectivity</i> , 2016, 6, 540-547.	1.7	9
34	Diet Shapes Mortality Response to Trauma in Old Tephritid Fruit Flies. <i>PLoS ONE</i> , 2016, 11, e0158468.	2.5	1
35	Female access and diet affect insemination success, senescence and the cost of reproduction in the male Mexican fruit fly <i>Anastrepha ludens</i> . <i>Physiological Entomology</i> , 2015, 40, 65-71.	1.5	13
36	Modeling Conditional Distributions for Functional Responses, With Application to Traffic Monitoring via GPS-Enabled Mobile Phones. <i>Technometrics</i> , 2014, 56, 347-358.	1.9	10

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37	Continuously additive models for nonlinear functional regression. <i>Biometrika</i> , 2013, 100, 607-622.	2.4	42
38	Inferring stochastic dynamics from functional data. <i>Biometrika</i> , 2012, 99, 533-550.	2.4	10
39	Modeling Repeated Functional Observations. <i>Journal of the American Statistical Association</i> , 2012, 107, 1599-1609.	3.1	66
40	Stringing High-Dimensional Data for Functional Analysis. <i>Journal of the American Statistical Association</i> , 2011, 106, 275-284.	3.1	26
41	Varying-coefficient functional linear regression. <i>Bernoulli</i> , 2010, 16, .	1.3	35
42	Rejoinder on: dynamic relations for sparsely sampled Gaussian processes. <i>Test</i> , 2010, 19, 60-67.	1.1	4
43	Dynamic relations for sparsely sampled Gaussian processes. <i>Test</i> , 2010, 19, 1-29.	1.1	13
44	Functional Varying Coefficient Models for Longitudinal Data. <i>Journal of the American Statistical Association</i> , 2010, 105, 1256-1264.	3.1	62
45	Reproduction is adapted to survival characteristics across geographically isolated medfly populations. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 4409-4416.	2.6	16
46	Modeling Hazard Rates as Functional Data for the Analysis of Cohort Lifetables and Mortality Forecasting. <i>Journal of the American Statistical Association</i> , 2009, 104, 572-585.	3.1	46
47	Estimating Derivatives for Samples of Sparsely Observed Functions, With Application to Online Auction Dynamics. <i>Journal of the American Statistical Association</i> , 2009, 104, 704-717.	3.1	54
48	Virgin females compete for mates in the male lekking species <i>Ceratitis capitata</i> . <i>Physiological Entomology</i> , 2009, 34, 238-245.	1.5	38
49	Inferring gene expression dynamics via functional regression analysis. <i>BMC Bioinformatics</i> , 2008, 9, 60.	2.6	32
50	Functional Additive Models. <i>Journal of the American Statistical Association</i> , 2008, 103, 1534-1544.	3.1	161
51	LINEARLY UNBIASED ESTIMATION OF CONDITIONAL MOMENT AND CORRELATION FUNCTIONS. , 2007, , 315-333.		0
52	Survival and aging in the wild via residual demography. <i>Theoretical Population Biology</i> , 2007, 72, 513-522.	1.1	27
53	Comments on: Nonparametric inference with generalized likelihood ratio tests. <i>Test</i> , 2007, 16, 450-452.	1.1	1
54	Functional Variance Processes. <i>Journal of the American Statistical Association</i> , 2006, 101, 1007-1018.	3.1	29

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55	Properties of principal component methods for functional and longitudinal data analysis. <i>Annals of Statistics</i> , 2006, 34, 1493.	2.6	298
56	Real-Time Density and Mode Estimation With Application to Time-Dynamic Mode Tracking. <i>Journal of Computational and Graphical Statistics</i> , 2006, 15, 82-100.	1.7	6
57	Regressing Longitudinal Response Trajectories on a Covariate. , 2006, , 305-324.		2
58	Functional Modelling and Classification of Longitudinal Data*. <i>Scandinavian Journal of Statistics</i> , 2005, 32, 223-240.	1.4	162
59	Covariate Adjusted Correlation Analysis via Varying Coefficient Models. <i>Scandinavian Journal of Statistics</i> , 2005, 32, 365-383.	1.4	68
60	Time-Varying Functional Regression for Predicting Remaining Lifetime Distributions from Longitudinal Trajectories. <i>Biometrics</i> , 2005, 61, 1064-1075.	1.4	49
61	Dynamical Correlation for Multivariate Longitudinal Data. <i>Journal of the American Statistical Association</i> , 2005, 100, 872-881.	3.1	63
62	Functional Data Analysis for Sparse Longitudinal Data. <i>Journal of the American Statistical Association</i> , 2005, 100, 577-590.	3.1	1,058
63	Demographic window to aging in the wild: constructing life tables and estimating survival functions from marked individuals of unknown age. <i>Aging Cell</i> , 2004, 3, 125-131.	6.7	62
64	Functional Convex Averaging and Synchronization for Time-Warped Random Curves. <i>Journal of the American Statistical Association</i> , 2004, 99, 687-699.	3.1	84
65	Change Trees and Mutagrams for the Visualization of Local Changes in Sequence Data. <i>Journal of Computational and Graphical Statistics</i> , 2004, 13, 571-585.	1.7	3
66	Nonparametric regression to the mean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9715-9720.	7.1	12
67	Order-Preserving Nonparametric Regression, With Applications to Conditional Distribution and Quantile Function Estimation. <i>Journal of the American Statistical Association</i> , 2003, 98, 598-608.	3.1	14
68	Fertility and Life Span: Late Children Enhance Female Longevity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2002, 57, B202-B206.	3.6	109
69	Semiparametric method for estimating paleodemographic profiles from age indicator data. <i>American Journal of Physical Anthropology</i> , 2002, 117, 1-14.	2.1	49
70	Semiparametric Modeling of Labeled-Cell Kinetics, with Application to Isotope Labeling of Erythrocytes. <i>Biometrics</i> , 2002, 58, 937-945.	1.4	1
71	Semiparametric method for estimating paleodemographic profiles from age indicator data. <i>American Journal of Physical Anthropology</i> , 2002, 117, 1.	2.1	1
72	Event history graphs for censored survival data. <i>Statistics in Medicine</i> , 2001, 20, 2951-2964.	1.6	14

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73	Quasi-Likelihood Regression with Unknown Link and Variance Functions. Journal of the American Statistical Association, 1998, 93, 1376-1387.	3.1	48
74	Quasi-Likelihood Regression with Unknown Link and Variance Functions. Journal of the American Statistical Association, 1998, 93, 1376.	3.1	16
75	An Accelerated-Time Model for Response Curves. Journal of the American Statistical Association, 1997, 92, 72-83.	3.1	44
76	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
77	An Accelerated-Time Model for Response Curves. Journal of the American Statistical Association, 1997, 92, 72.	3.1	7
78	Statistical Interaction Model for Exchangeability of Food Foliates in a Rat Growth Bioassay. Journal of Nutrition, 1996, 126, 2585-2592.	2.9	4
79	A Depletion-Repletion Folate Bioassay Based on Growth and Tissue Folate Concentrations of Rats. Journal of Nutrition, 1993, 123, 926-932.	2.9	13
80	Preaveraged Localized Orthogonal Polynomial Estimators for Surface Smoothing and Partial Differentiation. Journal of the American Statistical Association, 1992, 87, 1005-1017.	3.1	12
81	Locally adaptive hazard smoothing. Probability Theory and Related Fields, 1990, 85, 523-538.	1.8	60
82	Bootstrap Confidence Intervals for Effective Doses in the Probit Model for Dose-Response Data. Biometrical Journal, 1990, 32, 529-544.	1.0	2
83	Conditional distribution regression for functional responses. Scandinavian Journal of Statistics, 0, , .	1.4	1