

# Ping

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,728  
citations

331670

21  
h-index

302126

39  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2062  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismostratigraphy and Thermal Structure of Earth's Core-Mantle Boundary Region. <i>Science</i> , 2007, 315, 1813-1817.	12.6	238
2	A data-driven clustering method for time course gene expression data. <i>Nucleic Acids Research</i> , 2006, 34, 1261-1269.	14.5	156
3	Optimal Subsampling for Large Sample Logistic Regression. <i>Journal of the American Statistical Association</i> , 2018, 113, 829-844.	3.1	149
4	A dysregulated acetyl/ <sc>SUMO</sc> switch of <sc>FXR</sc> promotes hepatic inflammation in obesity. <i>EMBO Journal</i> , 2015, 34, 184-199.	7.8	106
5	Global Assessment of Combinatorial Post-translational Modification of Core Histones in Yeast Using Contemporary Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2007, 282, 27923-27934.	3.4	77
6	Leveraging for big data regression. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2015, 7, 70-76.	3.9	69
7	Methylated DNA is over-represented in whole-genome bisulfite sequencing data. <i>Frontiers in Genetics</i> , 2014, 5, 341.	2.3	64
8	RSIR: regularized sliced inverse regression for motif discovery. <i>Bioinformatics</i> , 2005, 21, 4169-4175.	4.1	61
9	The Helicase Aquarius/EMB-4 Is Required to Overcome Intronic Barriers to Allow Nuclear RNAi Pathways to Heritably Silence Transcription. <i>Developmental Cell</i> , 2017, 42, 241-255.e6.	7.0	61
10	Optimal smoothing in nonparametric mixed-effect models. <i>Annals of Statistics</i> , 2005, 33, 1357.	2.6	55
11	Mini review: Revisiting mobile RNA silencing in plants. <i>Plant Science</i> , 2019, 278, 113-117.	3.6	43
12	Factorial microarray analysis of zebrafish retinal development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12909-12914.	7.1	41
13	Online Distributed IoT Security Monitoring With Multidimensional Streaming Big Data. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4387-4394.	8.7	41
14	Statistical Analysis of Zebrafish Locomotor Response. <i>PLoS ONE</i> , 2015, 10, e0139521.	2.5	40
15	Penalized Clustering of Large-Scale Functional Data With Multiple Covariates. <i>Journal of the American Statistical Association</i> , 2008, 103, 625-636.	3.1	37
16	Generalized Nonparametric Mixed-Effect Models: Computation and Smoothing Parameter Selection. <i>Journal of Computational and Graphical Statistics</i> , 2005, 14, 485-504.	1.7	33
17	Optimal Penalized Function-on-Function Regression Under a Reproducing Kernel Hilbert Space Framework. <i>Journal of the American Statistical Association</i> , 2018, 113, 1601-1611.	3.1	30
18	Statistical Analysis of Zebrafish Locomotor Behaviour by Generalized Linear Mixed Models. <i>Scientific Reports</i> , 2017, 7, 2937.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Gene Expression Profiling of Zebrafish Embryonic Retinal Pigment Epithelium In Vivo. , 2007, 48, 881.		28
20	A Naturally-Derived Compound Schisandrin B Enhanced Light Sensation in the pde6c Zebrafish Model of Retinal Degeneration. PLoS ONE, 2016, 11, e0149663.	2.5	27
21	Inner core rotation and its variability from nonparametric modeling. Journal of Geophysical Research, 2010, 115, .	3.3	26
22	Imaging of structure at and near the core mantle boundary using a generalized radon transform: 1. Construction of image gathers. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	25
23	Statistical assessment of the global regulatory role of histone acetylation in <i>Saccharomyces cerevisiae</i> . Genome Biology, 2006, 7, R70.	9.6	24
24	Fast and Stable Multiple Smoothing Parameter Selection in Smoothing Spline Analysis of Variance Models With Large Samples. Journal of Computational and Graphical Statistics, 2015, 24, 715-732.	1.7	22
25	Statistical inference for time course RNA-Seq data using a negative binomial mixed-effect model. BMC Bioinformatics, 2016, 17, 324.	2.6	21
26	Efficient computation of smoothing splines via adaptive basis sampling. Biometrika, 2015, 102, 631-645.	2.4	20
27	Nonparametric Method for Genomics-Based Prediction of Performance of Quantitative Traits Involving Epistasis in Plant Breeding. PLoS ONE, 2012, 7, e50604.	2.5	20
28	Identifying Differentially Expressed Genes in Time Course Microarray Data. Statistics in Biosciences, 2009, 1, 144-159.	1.2	19
29	Smoothing spline analysis of variance models: A new tool for the analysis of cyclic biomechanical data. Journal of Biomechanics, 2016, 49, 3216-3222.	2.1	18
30	More efficient approximation of smoothing splines via space-filling basis selection. Biometrika, 2020, 107, 723-735.	2.4	18
31	Data analysis tools for uncertainty quantification of inverse problems. Inverse Problems, 2011, 27, 045001.	2.0	16
32	Smoothing spline ANOVA for super-large samples: scalable computation via rounding parameters. Statistics and Its Interface, 2016, 9, 433-444.	0.3	14
33	Discovery of protein-DNA interactions by penalized multivariate regression. Nucleic Acids Research, 2009, 37, 5246-5254.	14.5	13
34	Estimation of regularization parameters in multiple-image deblurring. Astronomy and Astrophysics, 2004, 423, 1179-1186.	5.1	13
35	Analyzing spatiotemporal trends in social media data via smoothing spline analysis of variance. Spatial Statistics, 2015, 14, 491-504.	1.9	12
36	Imaging of structure at and near the core-mantle boundary using a generalized radon transform: 2. Statistical inference of singularities. Journal of Geophysical Research, 2007, 112, .	3.3	11

#	ARTICLE	IF	CITATIONS
37	Nonparametric regression with cross-classified responses. Canadian Journal of Statistics, 2011, 39, 591-609.	0.9	11
38	Bayesian Functional Data Clustering for Temporal Microarray Data. International Journal of Plant Genomics, 2008, 2008, 1-4.	2.2	8
39	Smoothing Splines Approximation Using Hilbert Curve Basis Selection. Journal of Computational and Graphical Statistics, 2022, 31, 802-812.	1.7	8
40	Normalization of large-scale behavioural data collected from zebrafish. PLoS ONE, 2019, 14, e0212234.	2.5	6
41	Statistical Leveraging Methods in Big Data. Springer Handbooks of Computational Statistics, 2018, , 51-74.	0.2	4
42	Projection-based techniques for high-dimensional optimal transport problems. Wiley Interdisciplinary Reviews: Computational Statistics, 2023, 15, .	3.9	4
43	Genomic Characterization of the Zinc Transcriptional Regulatory Element Reveals Potential Functional Roles of ZNF658. Biological Trace Element Research, 2019, 192, 83-90.	3.5	3
44	Adaptive Basis Selection for Exponential Family Smoothing Splines with Application in Joint Modeling of Multiple Sequencing Samples. Statistica Sinica, 2018, , .	0.3	3
45	Bayesian spline smoothing with ambiguous penalties. Canadian Journal of Statistics, 0, , .	0.9	2
46	Bias Correction in RNA-Seq Short-Read Counts Using Penalized Regression. Statistics in Biosciences, 2013, 5, 88-99.	1.2	1
47	A parameter estimation method for fluorescence lifetime data. BMC Research Notes, 2015, 8, 230.	1.4	1