

Charles K Fisher

List of Publications by Year in descending order

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17
papers

1,833
citations

687363

13
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2733
citing authors

#	ARTICLE	IF	CITATIONS
1	A high-bias, low-variance introduction to Machine Learning for physicists. <i>Physics Reports</i> , 2019, 810, 1-124.	25.6	607
2	Variable habitat conditions drive species covariation in the human microbiota. <i>PLoS Computational Biology</i> , 2017, 13, e1005435.	3.2	9
3	Analytically tractable model for community ecology with many species. <i>Physical Review E</i> , 2016, 94, 022423.	2.1	19
4	Analyzing Ensembles of Amyloid Proteins Using Bayesian Statistics. <i>Methods in Molecular Biology</i> , 2016, 1345, 269-280.	0.9	4
5	Bayesian feature selection for high-dimensional linear regression via the Ising approximation with applications to genomics. <i>Bioinformatics</i> , 2015, 31, 1754-1761.	4.1	15
6	Bayesian Feature Selection with Strongly Regularizing Priors Maps to the Ising Model. <i>Neural Computation</i> , 2015, 27, 2411-2422.	2.2	6
7	Identifying Keystone Species in the Human Gut Microbiome from Metagenomic Timeseries Using Sparse Linear Regression. <i>PLoS ONE</i> , 2014, 9, e102451.	2.5	273
8	The transition between the niche and neutral regimes in ecology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 13111-13116.	7.1	145
9	Thermodynamics of Statistical Inference by Cells. <i>Physical Review Letters</i> , 2014, 113, 148103.	7.8	75
10	The Dynamic Structure of β -Synuclein Multimers. <i>Journal of the American Chemical Society</i> , 2013, 135, 3865-3872.	13.7	91
11	Comparative Studies of Disordered Proteins with Similar Sequences: Application to β ²⁴⁰ and β ²⁴² . <i>Biophysical Journal</i> , 2013, 104, 1546-1555.	0.5	31
12	Protein Structure along the Order-Disorder Continuum. <i>Journal of the American Chemical Society</i> , 2011, 133, 10022-10025.	13.7	25
13	Explaining the Structural Plasticity of β -Synuclein. <i>Journal of the American Chemical Society</i> , 2011, 133, 19536-19546.	13.7	108
14	Modeling Intrinsically Disordered Proteins with Bayesian Statistics. <i>Journal of the American Chemical Society</i> , 2010, 132, 14919-14927.	13.7	157
15	Approximate Reconstruction of Continuous Spatially Complex Domain Motions by Multialignment NMR Residual Dipolar Couplings. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6173-6176.	2.6	13
16	Ultrahigh Resolution Characterization of Domain Motions and Correlations by Multialignment and Multireference Residual Dipolar Coupling NMR. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16815-16822.	2.6	19
17	Visualizing spatially correlated dynamics that directs RNA conformational transitions. <i>Nature</i> , 2007, 450, 1263-1267.	27.8	236