

Richard J Samworth

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

1,131
citations

16
h-index

31
g-index

31
ext. papers

1,391
ext. citations

3.8
avg, IF

5.27
L-index

#	Paper	IF	Citations
25	Optimal weighted nearest neighbour classifiers. <i>Annals of Statistics</i> , 2012 , 40,	3.2	165
24	Choice of neighbor order in nearest-neighbor classification. <i>Annals of Statistics</i> , 2008 , 36,	3.2	156
23	Ultrahigh dimensional feature selection: beyond the linear model. <i>Journal of Machine Learning Research</i> , 2009 , 10, 2013-2038	28.6	148
22	Variable selection with error control: another look at stability selection. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2013 , 75, 55-80	3.9	139
21	Maximum likelihood estimation of a multi-dimensional log-concave density. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2010 , 72, 545-607	3.9	108
20	High dimensional change point estimation via sparse projection. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2018 , 80, 57-83	3.9	64
19	Approximation by log-concave distributions, with applications to regression. <i>Annals of Statistics</i> , 2011 , 39,	3.2	57
18	Random-projection ensemble classification. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2017 , 79, 959-1035	3.9	51
17	Properties of bagged nearest neighbour classifiers. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2005 , 67, 363-379	3.9	32
16	Independent component analysis via nonparametric maximum likelihood estimation. <i>Annals of Statistics</i> , 2012 , 40,	3.2	30
15	Global rates of convergence in log-concave density estimation. <i>Annals of Statistics</i> , 2016 , 44,	3.2	26
14	Generalized additive and index models with shape constraints. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2016 , 78, 729-754	3.9	26
13	Recent Progress in Log-Concave Density Estimation. <i>Statistical Science</i> , 2018 , 33,	2.4	25
12	Nonparametric independence testing via mutual information. <i>Biometrika</i> , 2019 , 106, 547-566	2	22
11	Statistical and computational trade-offs in estimation of sparse principal components. <i>Annals of Statistics</i> , 2016 , 44,	3.2	19
10	Isotonic regression in general dimensions. <i>Annals of Statistics</i> , 2019 , 47,	3.2	17
9	Adaptation in log-concave density estimation. <i>Annals of Statistics</i> , 2018 , 46,	3.2	16

8	Sparse principal component analysis via axis-aligned random projections. <i>Journal of the Royal Statistical Society Series B: Statistical Methodology</i> , 2020 , 82, 329-359	3.9	5
7	Optimal rates for independence testing via U-statistic permutation tests. <i>Annals of Statistics</i> , 2021 , 49,	3.2	5
6	Stochastic search for semiparametric linear regression models. <i>Institute of Mathematical Statistics Collections</i> , 2013 , 78-90		4
5	Minimax rates in sparse, high-dimensional change point detection. <i>Annals of Statistics</i> , 2021 , 49,	3.2	3
4	Adaptation in multivariate log-concave density estimation. <i>Annals of Statistics</i> , 2021 , 49,	3.2	3
3	Comments on: High-dimensional simultaneous inference with the bootstrap. <i>Test</i> , 2017 , 26, 734-739	1.1	2
2	Local continuity of log-concave projection, with applications to estimation under model misspecification. <i>Bernoulli</i> , 2021 , 27,	1.6	1
1	USP: an independence test that improves on Pearson's chi-squared and the χ^2 -test. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021 , 477, 20210549	2.4	1