Richard J Samworth

List of Publications by Year
in descending order

30 papers	1,593 citations	471061 17 h-index	476904 29 g-index
31 all docs	31 docs citations	31 times ranked	1615 citing authors

#	Article	IF	Citations
1	Choice of neighbor order in nearest-neighbor classification. Annals of Statistics, 2008, 36, .	1.4	213
2	Optimal weighted nearest neighbour classifiers. Annals of Statistics, 2012, 40, .	1.4	207
3	Variable Selection with Error Control: Another Look at Stability Selection. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2013, 75, 55-80.	1.1	207
4	Ultrahigh dimensional feature selection: beyond the linear model. Journal of Machine Learning Research, 2009, 10, 2013-2038.	62.4	168
5	Maximum Likelihood Estimation of a Multi-Dimensional Log-Concave Density. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2010, 72, 545-607.	1.1	136
6	High Dimensional Change Point Estimation via Sparse Projection. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2018, 80, 57-83.	1.1	111
7	Random-projection Ensemble Classification. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2017, 79, 959-1035.	1.1	75
8	Approximation by log-concave distributions, with applications to regression. Annals of Statistics, 2011, 39, .	1.4	70
9	Nonparametric independence testing via mutual information. Biometrika, 2019, 106, 547-566.	1.3	49
10	Statistical and computational trade-offs in estimation of sparse principal components. Annals of Statistics, 2016, 44, .	1.4	42
11	Properties of bagged nearest neighbour classifiers. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2005, 67, 363-379.	1.1	39
12	Global rates of convergence in log-concave density estimation. Annals of Statistics, 2016, 44, .	1.4	36
13	Generalized additive and index models with shape constraints. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2016, 78, 729-754.	1.1	36
14	Independent component analysis via nonparametric maximum likelihood estimation. Annals of Statistics, 2012, 40, .	1.4	35
15	Recent Progress in Log-Concave Density Estimation. Statistical Science, 2018, 33, .	1.6	35
16	Isotonic regression in general dimensions. Annals of Statistics, 2019, 47, .	1.4	30
17	Adaptation in log-concave density estimation. Annals of Statistics, 2018, 46, .	1.4	19
18	Minimax rates in sparse, high-dimensional change point detection. Annals of Statistics, 2021, 49, .	1.4	18

#	Article	IF	Citations
19	High-Dimensional, Multiscale Online Changepoint Detection. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2022, 84, 234-266.	1.1	13
20	Optimal rates for independence testing via U-statistic permutation tests. Annals of Statistics, 2021, 49, .	1.4	10
21	Sparse Principal Component Analysis via Axis-Aligned Random Projections. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2020, 82, 329-359.	1.1	8
22	USP: an independence test that improves on Pearsonâ€™s chi-squared and the G -test. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, 20210549.	1.0	8
23	Editorial: Special Issue on â€œNonparametric Inference Under Shape Constraintsâ€. Statistical Science, 2018, 33, .	1.6	7
24	Adaptation in multivariate log-concave density estimation. Annals of Statistics, 2021, 49, .	1.4	4
25	Stochastic search for semiparametric linear regression models. Institute of Mathematical Statistics Collections, 2013, , 78-90.	0.3	4
26	Isotonic regression with unknown permutations: Statistics, computation and adaptation. Annals of Statistics, 2022, 50, .	1.4	4
27	High-dimensional Changepoint Estimation with Heterogeneous Missingness. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2022, 84, 1023-1055.	1.1	3
28	Comments on: High-dimensional simultaneous inference with the bootstrap. Test, 2017, 26, 734-739.	0.7	2
29	Local continuity of log-concave projection, with applications to estimation under model misspecification. Bernoulli, 2021, 27, .	0.7	2
30	Nonparametric, tuningâ€free estimation of Sâ€shaped functions. Journal of the Royal Statistical Society Series B: Statistical Methodology, 0, , .	1.1	1