Richard J Samworth

List of Publications by Year in Descending Order

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 rates for independence testing via U-statistic permutation tests. *Annals of Statistics*, **2021**, 49,	3.2	5
24	Minimax rates in sparse, high-dimensional change point detection. *Annals of Statistics*, **2021**, 49,	3.2	3
23	Adaptation in multivariate log-concave density estimation. *Annals of Statistics*, **2021**, 49,	3.2	3
22	Local continuity of log-concave projection, with applications to estimation under model misspecification. *Bernoulli*, **2021**, 27,	1.6	1
21	USP: an independence test that improves on Pearsong chi-squared and the -test.. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2021**, 477, 20210549	2.4	1
20	Sparse principal component analysis via axis-aligned random projections. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2020**, 82, 329-359	3.9	5
19	Nonparametric independence testing via mutual information. *Biometrika*, **2019**, 106, 547-566	2	22
18	Isotonic regression in general dimensions. *Annals of Statistics*, **2019**, 47,	3.2	17
17	Adaptation in log-concave density estimation. *Annals of Statistics*, **2018**, 46,	3.2	16
16	High dimensional change point estimation via sparse projection. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2018**, 80, 57-83	3.9	64
15	Recent Progress in Log-Concave Density Estimation. *Statistical Science*, **2018**, 33,	2.4	25
14	Comments on: High-dimensional simultaneous inference with the bootstrap. *Test*, **2017**, 26, 734-739	1.1	2
13	Random-projection ensemble classification. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2017**, 79, 959-1035	3.9	51
12	Statistical and computational trade-offs in estimation of sparse principal components. *Annals of Statistics*, **2016**, 44,	3.2	19
11	Global rates of convergence in log-concave density estimation. *Annals of Statistics*, **2016**, 44,	3.2	26
10	Generalized additive and index models with shape constraints. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2016**, 78, 729-754	3.9	26
9	Variable selection with error control: another look at stability selection. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2013**, 75, 55-80	3.9	139

8	Stochastic search for semiparametric linear regression models. *Institute of Mathematical Statistics Collections*, **2013**, 78-90		4
7	Independent component analysis via nonparametric maximum likelihood estimation. *Annals of Statistics*, **2012**, 40,	3.2	30
6	Optimal weighted nearest neighbour classifiers. *Annals of Statistics*, **2012**, 40,	3.2	165
5	Approximation by log-concave distributions, with applications to regression. *Annals of Statistics*, **2011**, 39,	3.2	57
4	Maximum likelihood estimation of a multi-dimensional log-concave density. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2010**, 72, 545-607	3.9	108
3	Ultrahigh dimensional feature selection: beyond the linear model. *Journal of Machine Learning Research*, **2009**, 10, 2013-2038	28.6	148
2	Choice of neighbor order in nearest-neighbor classification. *Annals of Statistics*, **2008**, 36,	3.2	156
1	Properties of bagged nearest neighbour classifiers. *Journal of the Royal Statistical Society Series B: Statistical Methodology*, **2005**, 67, 363-379	3.9	32