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- G. Lecué. **Lower bounds and aggregation in density estimation.** *Journal of Machine Learning Research*, 2006, Vol. 7(Jun) : 971–981.
- G. Lecué. **Simultaneous adaptation to the margin and to complexity in classification.** *The Annals of Statistics*, 2007, Vol. 35, No. 4, 1698-1721.
- G. Lecué. **Optimal oracle inequality for aggregation of classifiers under low noise condition.** 19th Annual Conference on Learning Theory, COLT06. Proceedings. Gabor Lugosi, Hans Ulrich Simon (Eds.). Springer. LNAI 2006, 364–378. “Mark Fulk award” for “the best student paper”.
- G. Lecué. **Optimal rates of aggregation in classification.** *Bernoulli*, 2007, Vol. 13, No. 4, 1000-1022.
- C. Chesneau and G. Lecué. **Adapting to Unknown Smoothness by Aggregation of Thresholded Wavelet Estimators.** To appear in *Statistica Sinica*.
- G. Lecué. **Suboptimality of Penalized Empirical Risk Minimization in Classification.** 20th Annual Conference On Learning Theory, COLT07. Proceedings. Bshouty, Gentile (Eds.). Springer. LNAI 4539, 142-156. Springer.
- G. Lecué. **Classification with minimax fast rates for classes of Bayes rules with sparse representation.** Under revision in *Electronic Journal of Statistics*.
- S. Gaïffas and G. Lecué. **Minimax rates and adaptivity in the Single-Index Model.** *Electronic Journal of Statistics*, Vol. 1, pp. 538-573. 2007
- G. Lecué and S. Mendelson **Aggregation Vs. Empirical Risk Minimization.** Submitted.