- Herault, J. and Ans, B. (1984). Circuits neuronaux à synapses modifiables: Décodage de messages composites par apprentissage non supervisé. Comptes Rendus de l'Académie des Sciences, 299(III-13), 525—528. 491
- Hinton, G. (2012). Neural networks for machine learning. Coursera, video lectures. 307
- Hinton, G., Deng, L., Dahl, G. E., Mohamed, A., Jaitly, N., Senior, A., Vanhoucke, V., Nguyen, P., Sainath, T., and Kingsbury, B. (2012a). Deep neural networks for acoustic modeling in speech recognition. *IEEE Signal Processing Magazine*, **29**(6), 82–97. **23**, 460
- Hinton, G., Vinyals, O., and Dean, J. (2015). Distilling the knowledge in a neural network. arXiv preprint arXiv:1503.02531. 448
- Hinton, G. E. (1989). Connectionist learning procedures. Artificial Intelligence, 40, 185–234. 494
- Hinton, G. E. (1990). Mapping part-whole hierarchies into connectionist networks. *Artificial Intelligence*, **46**(1), 47–75. **418**
- Hinton, G. E. (1999). Products of experts. In ICANN'1999. 571
- Hinton, G. E. (2000). Training products of experts by minimizing contrastive divergence. Technical Report GCNU TR 2000-004, Gatsby Unit, University College London. 610, 676
- Hinton, G. E. (2006). To recognize shapes, first learn to generate images. Technical Report UTML TR 2006-003, University of Toronto. 528, 595
- Hinton, G. E. (2007a). How to do backpropagation in a brain. Invited talk at the NIPS'2007 Deep Learning Workshop. 656
- Hinton, G. E. (2007b). Learning multiple layers of representation. *Trends in cognitive sciences*, **11**(10), 428–434. 660
- Hinton, G. E. (2010). A practical guide to training restricted Boltzmann machines. Technical Report UTML TR 2010-003, Department of Computer Science, University of Toronto. 610
- Hinton, G. E. and Ghahramani, Z. (1997). Generative models for discovering sparse distributed representations. *Philosophical Transactions of the Royal Society of London*. 147
- Hinton, G. E. and McClelland, J. L. (1988). Learning representations by recirculation. In NIPS'1987, pages 358–366. 502
- Hinton, G. E. and Roweis, S. (2003). Stochastic neighbor embedding. In NIPS'2002. 519