- LeCun, Y., Jackel, L. D., Boser, B., Denker, J. S., Graf, H. P., Guyon, I., Henderson, D., Howard, R. E., and Hubbard, W. (1989). Handwritten digit recognition: Applications of neural network chips and automatic learning. *IEEE Communications Magazine*, **27**(11), 41–46. 368
- LeCun, Y., Bottou, L., Orr, G. B., and Müller, K.-R. (1998a). Efficient backprop. In *Neural Networks, Tricks of the Trade*, Lecture Notes in Computer Science LNCS 1524. Springer Verlag. 310, 429
- LeCun, Y., Bottou, L., Bengio, Y., and Haffner, P. (1998b). Gradient based learning applied to document recognition. *Proc. IEEE*. 16, 18, 21, 27, 371, 458, 460
- LeCun, Y., Kavukcuoglu, K., and Farabet, C. (2010). Convolutional networks and applications in vision. In *Circuits and Systems (ISCAS)*, *Proceedings of 2010 IEEE International Symposium on*, pages 253–256. IEEE. 371
- L'Ecuyer, P. (1994). Efficiency improvement and variance reduction. In *Proceedings of the 1994 Winter Simulation Conference*, pages 122—132. 690
- Lee, C.-Y., Xie, S., Gallagher, P., Zhang, Z., and Tu, Z. (2014). Deeply-supervised nets. arXiv preprint arXiv:1409.5185. 326
- Lee, H., Battle, A., Raina, R., and Ng, A. (2007). Efficient sparse coding algorithms. In B. Schölkopf, J. Platt, and T. Hoffman, editors, *Advances in Neural Information Processing Systems* 19 (NIPS'06), pages 801–808. MIT Press. 637
- Lee, H., Ekanadham, C., and Ng, A. (2008). Sparse deep belief net model for visual area V2. In NIPS'07. 255
- Lee, H., Grosse, R., Ranganath, R., and Ng, A. Y. (2009). Convolutional deep belief networks for scalable unsupervised learning of hierarchical representations. In L. Bottou and M. Littman, editors, *Proceedings of the Twenty-sixth International Conference on Machine Learning (ICML'09)*. ACM, Montreal, Canada. 363, 683, 684
- Lee, Y. J. and Grauman, K. (2011). Learning the easy things first: self-paced visual category discovery. In *CVPR'2011*. 328
- Leibniz, G. W. (1676). Memoir using the chain rule. (Cited in TMME 7:2&3 p 321-332, 2010). 225
- Lenat, D. B. and Guha, R. V. (1989). Building large knowledge-based systems; representation and inference in the Cyc project. Addison-Wesley Longman Publishing Co., Inc. 2
- Leshno, M., Lin, V. Y., Pinkus, A., and Schocken, S. (1993). Multilayer feedforward networks with a nonpolynomial activation function can approximate any function. *Neural Networks*, **6**, 861—867. 198, 199