- Wang, Z., Zhang, J., Feng, J., and Chen, Z. (2014a). Knowledge graph and text jointly embedding. In *Proc. EMNLP'2014*. 484
- Wang, Z., Zhang, J., Feng, J., and Chen, Z. (2014b). Knowledge graph embedding by translating on hyperplanes. In *Proc. AAAI'2014*. 484
- Warde-Farley, D., Goodfellow, I. J., Courville, A., and Bengio, Y. (2014). An empirical analysis of dropout in piecewise linear networks. In *ICLR* '2014. 262, 266, 267
- Wawrzynek, J., Asanovic, K., Kingsbury, B., Johnson, D., Beck, J., and Morgan, N. (1996). Spert-II: A vector microprocessor system. *Computer*, **29**(3), 79–86. **451**
- Weaver, L. and Tao, N. (2001). The optimal reward baseline for gradient-based reinforcement learning. In *Proc. UAI'2001*, pages 538–545. 691
- Weinberger, K. Q. and Saul, L. K. (2004). Unsupervised learning of image manifolds by semidefinite programming. In *CVPR'2004*, pages 988–995. 164, 519
- Weiss, Y., Torralba, A., and Fergus, R. (2008). Spectral hashing. In NIPS, pages 1753–1760. 525
- Welling, M., Zemel, R. S., and Hinton, G. E. (2002). Self supervised boosting. In *Advances in Neural Information Processing Systems*, pages 665–672. 703
- Welling, M., Hinton, G. E., and Osindero, S. (2003a). Learning sparse topographic representations with products of Student-t distributions. In NIPS'2002. 680
- Welling, M., Zemel, R., and Hinton, G. E. (2003b). Self-supervised boosting. In S. Becker, S. Thrun, and K. Obermayer, editors, *Advances in Neural Information Processing Systems* 15 (NIPS'02), pages 665–672. MIT Press. 622
- Welling, M., Rosen-Zvi, M., and Hinton, G. E. (2005). Exponential family harmoniums with an application to information retrieval. In L. Saul, Y. Weiss, and L. Bottou, editors, *Advances in Neural Information Processing Systems* 17 (NIPS'04), volume 17, Cambridge, MA. MIT Press. 676
- Werbos, P. J. (1981). Applications of advances in nonlinear sensitivity analysis. In *Proceedings of the 10th IFIP Conference*, 31.8 4.9, NYC, pages 762–770. 225
- Weston, J., Bengio, S., and Usunier, N. (2010). Large scale image annotation: learning to rank with joint word-image embeddings. *Machine Learning*, **81**(1), 21–35. 401
- Weston, J., Chopra, S., and Bordes, A. (2014). Memory networks. *arXiv* preprint *arXiv*:1410.3916. 418, 485
- Widrow, B. and Hoff, M. E. (1960). Adaptive switching circuits. In 1960 IRE WESCON Convention Record, volume 4, pages 96–104. IRE, New York. 15, 21, 24, 27