











- Chains". *The Annals of Mathematical Statistics*. 37 (6): 1554–1563. doi:10.1214/aoms/1177699147
- Carbonell, M., Riba, P., Villegas, M., Fornés, A., & Lladós, J. (2021, January). Named entity recognition and relation extraction with graph neural networks in semi structured documents. In *2020 25th International Conference on Pattern Recognition (ICPR)* (pp. 9622-9627). IEEE.
- Englmeier, K., & Mothe, J. (2020, July). Application-oriented approach for detecting cyberaggression in social media. In *International Conference on Applied Human Factors and Ergonomics* (pp. 129-136). Springer, Cham.
- Han, X., Zhou, F., Hao, Z., Liu, Q., Li, Y., & Qin, Q. (2021). MAF-CNER: A Chinese named entity recognition model based on multifeature adaptive fusion. *Complexity*, 2021.
- J. Devlin, M. W. Chang, K. Lee, and K. Toutanova, "Bert: Pre-training of deep bidirectional transformers for language understanding." arXiv preprint arXiv:1810.04805. 2018
- Kocaman, V., & Talby, D. (2021, January). Biomedical named entity recognition at scale. In *International Conference on Pattern Recognition* (pp. 635-646). Springer, Cham.
- Kumar, A., & Starly, B. (2021). "FabNER": information extraction from manufacturing process science domain literature using named entity recognition. *Journal of Intelligent Manufacturing*, 1-15.
- L. Breiman, "Random forests. *Machine learning*," 45(1), pp. 5-32. (2001)
- Lafferty, J., McCallum, A., & Pereira, F. C. (2001). Conditional random fields: Probabilistic models for segmenting and labeling sequence data.
- Li, F., Wang, Z., Hui, S. C., Liao, L., Song, D., Xu, J., ... & Jia, M. (2021, August). Modularized interaction network for named entity recognition. In *Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (Volume 1: Long Papers)* (pp. 200-209).
- Li, J., Sun, A., Han, J., & Li, C. (2020). A survey on deep learning for named entity recognition. *IEEE Transactions on Knowledge and Data Engineering*, 34(1), 50-70.
- Li, X., Zhang, H., & Zhou, X. H. (2020). Chinese clinical named entity recognition with variant neural structures based on BERT methods. *Journal of biomedical informatics*, 107, 103422.
- Litake, O., Sabane, M., Patil, P., Ranade, A., & Joshi, R. (2022). Mono vs multilingual BERT: A case study in hindi and marathi named entity recognition. *arXiv preprint arXiv:2203.12907*.
- Lung-Hao Lee, and Yi Lu (2021). Multiple Embeddings Enhanced Multi-Graph Neural Networks for Chinese Healthcare Named Entity Recognition. *IEEE Journal of Biomedical and Health Informatics*, 25(7): 2801- 2810.
- Lung-Hao Lee, Chao-Yi Chen, Liang-Chih Yu, and Yuen-Hsien Tseng. 2022. Overview of the ROCLING 2022 shared task for Chinese healthcare named entity recognition. In *Proceedings of the 34th Conference on Computational Linguistics and Speech Processing*.
- Luo, Y., Xiao, F., & Zhao, H. (2020, April). Hierarchical contextualized representation for named entity recognition. In *Proceedings of the AAAI conference on artificial intelligence* (Vol. 34, No. 05, pp. 8441-8448).
- Mayhew, S., Nitish, G., & Roth, D. (2020, April). Robust named entity recognition with truecasing pretraining. In *Proceedings of the AAAI Conference on Artificial Intelligence* (Vol. 34, No. 05, pp. 8480-8487).
- SEGURA-BEDMAR, Isabel; MARTÍNEZ FERNÁNDEZ, Paloma; HERRERO ZAZO, María. Semeval-2013 task 9: Extraction of drug-drug interactions from biomedical texts (ddiextraction 2013).
- Wang, Y., Sun, C., Wu, Y., Zhou, H., Li, L., & Yan, J. (2021). UniRE: A unified label space for entity relation extraction. *arXiv preprint arXiv:2107.04292*.
- Wang, Y., Yu, B., Zhu, H., Liu, T., Yu, N., & Sun, L. (2021). Discontinuous named entity recognition as maximal clique discovery. *arXiv preprint arXiv:2106.00218*.
- Wu, S., Song, X., & Feng, Z. (2021). Mect: Multi-metadata embedding based cross-transformer for chinese named entity recognition. *arXiv preprint arXiv:2107.05418*.
- Zhang, D., Xia, C., Xu, C., Jia, Q., Yang, S., Luo, X., & Xie, Y. (2020). Improving distantly-supervised named entity recognition for traditional Chinese medicine text via a novel back-labeling approach. *IEEE Access*, 8, 145413-145421.