

# List of Publications

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## Conference Papers

- 2024
- [1] M. Bai, W. Huang, T. Li, A. Wang, J. Gao, C. F. Caiafa, and Q. Zhao, "Diffusion models demand contrastive guidance for adversarial purification to advance," in *Forty-first International Conference on Machine Learning (ICML)*, 2024.
  - [2] H. Huang, G. Zhou, Y. Zheng, Y. Qiu, A. Wang, and Q. Zhao, "Adversarially robust deep multi-view clustering: A novel attack and defense framework," in *Forty-first International Conference on Machine Learning (ICML)*, 2024.
  - [3] P. Wang, L. Shen, Z. Tao, S. He, and D. Tao, "Generalization analysis of stochastic weight averaging with general sampling," in *Forty-first International Conference on Machine Learning (ICML)*, 2024.
  - [4] J. Zeng, C. Li, Z. Sun, Q. Zhao, and G. Zhou, "Tngps: Discovering unknown tensor network structure search algorithms via large language models (llms)," in *Forty-first International Conference on Machine Learning (ICML)*, 2024.
  - [5] W. Zhou, S. Bai, S. Yu, Q. Zhao, and B. Chen, "Jacobian regularizer-based neural granger causality," in *Forty-first International Conference on Machine Learning (ICML)*, 2024.
  - [6] J. Zhang, Y. Hong, D. Cheng, L. Zhang, and Q. Zhao, "Hierarchical attacks on large-scale graph neural networks," in *ICASSP 2024-2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, IEEE, 2024, pp. 7635–7639.
  - [7] Y. Zheng, X. Zhao, J. Zeng, C. Li, Q. Zhao, H. Li, and T. Huang, "SVDinsTN: A tensor network paradigm for efficient structure search from regularized modeling perspective," in *IEEE / CVF Computer Vision and Pattern Recognition Conference (CVPR)*, 2024.
  - [8] Y. Qiu, G. Zhou, A. Wang, Z. Huang, and Q. Zhao, "Towards multi-mode outlier robust tensor ring decomposition," in *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI)*, 2024.
  - [9] Z. Tao, T. Tanaka, and Q. Zhao, "Efficient nonparametric tensor decomposition for binary and count data," in *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI)*, 2024.
  - [10] S. Bai, M. Zhang, W. Zhou, S. Huang, Z. Luan, D. Wang, and B. Chen, "Prompt-based distribution alignment for unsupervised domain adaptation," in *Proceedings of the 38th AAAI Conference on Artificial Intelligence (AAAI)*, 2024.
  - [11] G. Lin, C. Li, J. Zhang, T. Tanaka, and Q. Zhao, "Adversarial training on purification (AToP): Advancing both robustness and generalization," in *The Twelfth International Conference on Learning Representations (ICLR)*, 2024.

- [12] C. Ju, R. J. Kobler, L. Tang, C. Guan, and M. Kawanabe, "Deep geodesic canonical correlation analysis for covariance-based neuroimaging data," in *The Twelfth International Conference on Learning Representations (ICLR)*, 2024.
- [13] A. Wang, Y. Qiu, M. Bai, Z. Jin, G. Zhou, and Q. Zhao, "Generalized tensor decomposition for understanding multi-output regression under combinatorial shifts," in *Thirty-eighth Conference on Neural Information Processing Systems (NeurIPS)*, 2024.
- 2023 [14] C. Li, J. Zeng, C. Li, C. F. Caiafa, and Q. Zhao, "Alternating local enumeration (tnale): Solving tensor network structure search with fewer evaluations," in *International Conference on Machine Learning (ICML)*, PMLR, 2023, pp. 20 384–20 411.
- [15] Z. Tao, T. Tanaka, and Q. Zhao, "Scalable bayesian tensor ring factorization for multi-way data analysis," in *International Conference on Neural Information Processing (ICONIP)*, Springer, 2023, pp. 490–503.
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## Journal Papers

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