

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.
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 - [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.
- 2023 [13] 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.
- [14] 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.
- [15] C. Ju, R. J. Kobler, and C. Guan, "Score-based data generation for eeg spatial covariance matrices: Towards boosting bci performance," in *Proceedings of the 45th Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)*, 2023, pp. 1–7.
- [16] J. Zhang, Y. Hong, and Q. Zhao, "Memorization weights for instance reweighting in adversarial training," in *Proceedings of the AAAI Conference on Artificial Intelligence (AAAI)*, vol. 37, 2023, pp. 11 228–11 236.
- [17] S. Mo, Z. Sun, and C. Li, "Multi-level contrastive learning for self-supervised vision transformers," in *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision*, 2023, pp. 2778–2787.
- [18] S. Mo, Z. Sun, and C. Li, "Representation disentanglement in generative models with contrastive learning," in *Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision*, 2023, pp. 1531–1540.
- [19] Z. Lin, H. Huang, Y. Yu, G. Zhou, and Q. Zhao, "Consistent anchor induced multi-view deep matrix factorization," in *The 42nd Chinese Control Conference (CCC)*, IEEE, 2023, pp. 7633–7637.
- [20] Z. Tao, T. Tanaka, and Q. Zhao, "Undirected probabilistic model for tensor decomposition," in *Thirty-seventh Conference on Neural Information Processing Systems (NeurIPS)*, 2023.
- [21] A. Wang, C. Li, M. Bai, Z. Jin, G. Zhou, and Q. Zhao, "Transformed low-rank parameterization can help robust generalization for tensor neural networks," in *Thirty-seventh Conference on Neural Information Processing Systems (NeurIPS)*, 2023.
- 2022 [22] H. Takayama and T. Yokota, "Fast signal completion algorithm with cyclic convolutional smoothing," in *2022 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC)*, IEEE, 2022, pp. 364–371.
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