

Selected Papers of Zhenxing Qian

1) Multimedia Forensics

- Q. Ying, H. Zhou, **Z. Qian***, S. Li, and X. Zhang, Learning to Immunize Images for Tamper Localization and Self-Recovery, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2023, accepted.
- X. Hu, Q. Ying, **Z. Qian***, S. Li, and X. Zhang, DRAW: Defending Camera-shooted RAW against Image Manipulation, *International Conference on Computer Vision (ICCV 2023)*, Paris, France, Oct. 2-6, 2023
- Q. Ying, X. Hu, Y. Zhou, **Z. Qian***, D. Zeng, and S. Ge, Bootstrapping Multi-view Representations for Fake News Detection, *Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI-23)*, 2023
- Z. Yuan, Z. You, S. Li, **Z. Qian***, X. Zhang, A. Kot, On Generating Identifiable Virtual Faces, *MM '22: Proceedings of the 29th ACM International Conference on Multimedia*, 2022, accepted.
- J. Chen, X. Liao, W. Wang, **Z. Qian**, Z. Qin, and Y. Wang, SNIS: A Signal Noise Separation-based Network for Post-processed Image Forgery Detection, *IEEE Transactions on Circuits and Systems for Video Technology*, 2022
- Y. Zhou, Y. Yang, Q. Ying, **Z. Qian***, and X. Zhang, Multi-modal Fake News Detection on Social Media via Multi-grained Information Fusion, *ACM International Conference on Multimedia Retrieval (ICMR 2023)*, Thessaloniki, Greece, June 12-15, 2023.
- Q. Ying, H. Zhou, X. Hu, **Z. Qian***, S. Li, and X. Zhang, Image Protection for Robust Cropping Localization and Recovery, *IEEE International Conference on Multimedia and Expo (ICME)*, 2023
- Y. Zhou, Q. Ying, Y. Yang, **Z. Qian***, X. Zhang, Multimodal Fake News Detection via CLIP-Guided Learning, *IEEE International Conference on Multimedia and Expo (ICME)*, 2023
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- S. Li, X. Zhu, G. Feng, X. Zhang, **Z. Qian**, Diffusing the liveness cues for face anti-spoofing, *MM '21: Proceedings of the 29th ACM International Conference on Multimedia*, October 2021, pp 1636-1644
- **Z. Qian**, and X. Zhang, Improved anti-forensics of JPEG compression, *Journal of Systems & Software*, 91: 100-108, 2014.

2) Neural Network Security

- Y. Zeng, J. Tan, Z. You, **Z. Qian***, X. Zhang, Watermarks for Generative Adversarial Network Based on Steganographic Invisible Backdoor, *IEEE International Conference on Multimedia and Expo (ICME)*, 2023
- Y. Xue, Y. Zhu, Z. Zhu, S. Li, **Z. Qian***, and X. Zhang, Removing Watermarks for Image Processing Networks Via Referenced Subspace Attention, *The Computer Journal*, 2022.

- G. Li, S. Li, M. Li, X. Zhang, and **Z. Qian**, Steganography of Steganographic Networks, *Thirty-Seventh AAAI Conference on Artificial Intelligence (AAAI-23)*, 2023
- N. Zhong, **Z. Qian***, and X. Zhang, Imperceptible Backdoor Attack: From Input Space to Feature Representation, *the 31st International Joint Conference on Artificial Intelligence (IJCAI 22)*, 2022.
- G. Liu, S. Li, **Z. Qian***, and X. Zhang, HF-Defend: Defending Against Adversarial Examples Based on Halftoning, *IEEE 24th International Workshop on Multimedia Signal Processing*, September 26-28, 2022, Shanghai, China.
- L. Feng, S. Li, **Z. Qian***, X. Zhang, Robust Backdoor Injection with the Capability of Resisting Network Transfer, *Information Science*, 2022.
- Z. Zhu, H. Zhou, S. Xing, **Z. Qian***, S. Li, and X. Zhang, Perceptual Hash of Neural Networks, *Symmetry*, 2022.
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- L. Feng, S. Li, **Z. Qian***, and X. Zhang, Unlabeled Backdoor Poisoning in Semi-Supervised Learning, *IEEE International Conference on Multimedia and Expo (ICME) 2022*, Taipei, Taiwan, 18-22 July, 2022
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- G. Feng, Y. Lan, X. Zhang, and **Z. Qian**. Dynamic adjustment of hidden node parameters for extreme learning machine, *IEEE Transactions on Cybernetics*, 45(2): 279-288, 2015.

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3) Steganography

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4) Reversible Data Hiding

- Y. Qiu, Q. Ying, Y. Yang, H. Zeng, S. Li, and **Z. Qian***, High-Capacity Framework for Reversible Data Hiding in Encrypted Image Using Pixel Prediction and Entropy Encoding, *IEEE Transactions on Circuits and Systems for Video Technology*, 2022
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5) Digital Watermarking

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6) Ciphertext, Privacy & Others

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