

姓名：劉瑞娟

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### 著作目錄

#### *International Journal Papers*

1. Xu Wang, Jui-Chuan Liu and Chin-Chen Chang\*, (2023): "A Novel Reversible Data Hiding Scheme for VQ Codebooks," Security and Privacy (Accpeted 2023/03/13)
2. Chin-Chen Chang, Jui-Chuan Liu\* and Kai Gao, (2023): "Cryptanalysis of Iterative Encryption and Image Sharing Scheme Based on the VQ Attack," Journal of Visual Communication and Image Representation (2023/10/29)
3. Jui-Chuan Liu, Ching-Chun Chang, Chin-Chen Chang\* and Shuying Xu, (2023): "High-Capacity Imperceptible Data Hiding Using Permutation-Based Embedding Process for IoT Security," Electronics (2023/10/30)
4. Yijie Lin, Chia-Chen Lin Jui-Chuan Liu and Chin-Chen Chang\*, (2023): "Verifiable (t,n) Secret Image Sharing Scheme Based on Slim Turtle Shell Matrix," Journal of Information Security and Applications (2023/12/13)
5. Jui-Chuan Liu, Ching-Chun Chang, Yijie Lin\*, Chin-Chen Chang\*, and Ji-Hwei Horng, (2023): "A Matrix Coding Oriented Reversible Data Hiding Scheme Using Dual Digital Images," Mathematics (2023/12/24)
6. Jui-Chuan Liu, Hengxiao Chi, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "An innovative information hiding scheme based on block-wise pixel reordering," Future Internet (2024/01/19)
7. Iuon-Chang Lin, Yi-Hsuan Kuo, Ching-Chun Chang, Jui-Chuan Liu and Chin-Chen Chang\*, (2023): "Symmetry in Blockchain-Powered Secure Decentralized Data Storage: Mitigating Risks and Ensuring Confidentiality," Symmetry (2024/01/24)
8. Chin-Chen Chang\*, Shuying Xu, and Jui-Chuan Liu, and Ching-Chun Chang, (2024): "A Crypto-attacking Scheme for a (t,n)-threshold Image Encryption Method," Journal of Internet Technology (2024/03/06)
9. Yijie Lin, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "Hiding Information in a Reordered Codebook Using Pairwise Adjustments in Codewords," Mathematics (2024/04/18)
10. Hengxiao Chi, Jui-Chuan Liu\*, Chin-Chen Chang\*, and Ji-Hwei Horng, (2023): "A Simple and Efficient Data Hiding Method with Error Detection and Correction," Electronics (2024/05/16)
11. Iuon-Chang Lin, I-Ling Yeh, Ching-Chun Chang, Jui-Chuan Liu and Chin-Chen Chang\*, (2024): "Designing a Secure and Scalable Data Sharing Mechanism

- Using Decentralized Identifiers(DID)," Computer Modeling in Engineering & Sciences (2024/05/24)
12. Xu Wang, Jui-Chuan Liu and Chin-Chen Chang\*, (2023): Reversible Data Hiding in Encrypted 3D Mesh Models Based on Multi-Group Partition and Closest Pair Prediction," Future Internet (2024/06/13)
  13. Jui-Chuan Liu, Yijie Lin, Ching-Chun Chang, and Chin-Chen Chang\*,(2023): "A Side Match Oriented Data Hiding Based on Absolute Moment Block Truncation Encoding Mechanism with Reversibility," Multimedia Tools and Applications (2023/06/21)
  14. Shuying Xu, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\* (2024): "Covert Communication for Dual Images with Two-Tier Bits Flipping," Mathematics (2024/07/15)
  15. Hao-Wei Lu, Jui-Chuan Liu\*, Chin-Chen Chang\*, and Ji-Hwei Horng, (2024): "Crypto-space image reversible data hiding with polynomial secret sharing over Galois field," Electronics (2024/07/17)
  16. Yijie Lin, Jui-Chuan Liu and Chin-Chen Chang\*, (2024): "An Innovative Recompression Scheme for VQ Index Tables," Future Internet (2024/08/16)
  17. Sisheng Chen, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "Lossless data hiding in VQ compressed images using adaptive prediction difference coding," Electronics (2024/09/04)
  18. Yen-Ching Chang, Jui-Chuan Liu\*, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "Texture-Image-Oriented Coverless Data Hiding Based on Two-Dimensional Fractional Brownian Motion," Electronics (2024/10/09)
  19. Yijie Lin, Jui-Chuan Liu\*, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "Lossless Recompression of Vector Quantization Index Table for Texture Images Based on Adaptive Huffman Coding through Multi-Type Processing," Symmetry (2024/10/22)
  20. Ching-Chun Chang, Yijie Lin\*, Jui-Chuan Liu\*, and Chin-Chen Chang\*, (2024): "Reversible Data Hiding in Absolute Moment Block Truncation Codes via Arithmetical and Logical Differential Coding," Cryptography (2024/12/28)

### *International Conference Papers*

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1. Jui-Chuan Liu, Chin-Chen Chang\*, and Chia-Chen Lin, (2023): "Hiding Information in a Well-Trained Vector Quantization Codebook," 2023 6th International Conference on Signal Processing and Machine Learning (SPML 2023) , 2023-07, Tianjin, China (2023/05/23)
2. Chin-Chen Chang, Jui-Chuan Liu\*, Ching-Chun Chang, and Yijie Lin, (2023): "Hiding Information in a Reordered Codebook Using Pairwise Adjustments in Codewords," 2024 5th International Conference on Computer Vision and Computational Intelligence (CVCI 2024) , 2024-01, Bangkok, Thailand (2023/10/18)

### *Revised Papers*

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### *Submitted Papers*

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1. Yijie Lin, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "Customized Contour and Color Morphing in Thumbnail-Preserving Encryption and Data Hiding," ( 2025)

2. Yijie Lin, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "A Puzzle Matrix Oriented Secret Sharing Scheme for Dual Images with Reversibility," *Signal Processing* ( 2024/10/05)
  3. Jui-Chuan Liu, Kai Gao and Chin-Chen Chang\*, (2023): "Reversible Data Hiding in Encrypted 3D Mesh Models via Reference Vertex Circulation Strategy," *Multimedia Tools and Applications* (2023/10/18)
  4. Chia-Chen Lin\*, Xianming Wang, Li Li, Jui-Chuan Liu and Chin-Chen Chang, (2024): "High-capacity reversible data hiding in encrypted images based on MSB sharing and overlapping sawtooth partition," *The Computer Journal* (2024/02/12)
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### *Patents*

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- 1 Jui-Chuan Liu, Ching-Chun Chang, Chin-Chen Chang\*, and Hengxiao Chi, (2024): "An authenticated (2, n) secret sharing method based on the principle of the uniqueness of a line".
- 2 Yijie Lin, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2024): "A Dual Image Secret Sharing Steganography Method Based on the Puzzle Reference Matrix".

### *Pending*

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- 1 Yijie Lin, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2025): "Reversible Data Hiding in Encrypted DICOM Images Using Subsequence Matching and Adaptive Huffman Coding".
- 2 Yijie Lin, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2025): "Tamper detection in AMBTC compressed images".
- 3 Hengxiao Chi, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2025): "Embedding secret data using pixel block scrambling on encrypted image," []
- 4 Hengxiao Chi, Jui-Chuan Liu, Ching-Chun Chang, and Chin-Chen Chang\*, (2025): "An efficient secret sharing method using 'two points collinear'," []

### *Book Chapters*

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