

Resource Summary Report

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USC-SIPI Image Database

RRID:SCR_025683

Type: Tool

Proper Citation

USC-SIPI Image Database (RRID:SCR_025683)

Resource Information

URL: <https://sipi.usc.edu/database/>

Proper Citation: USC-SIPI Image Database (RRID:SCR_025683)

Description: Collection of digitized images.Maintained primarily to support research in image processing, image analysis, and machine vision.

Resource Type: data or information resource, database

Keywords: digitized images,

Availability: Free, Freely available

Resource Name: USC-SIPI Image Database

Resource ID: SCR_025683

Record Creation Time: 20240903T053254+0000

Record Last Update: 20260912T200449+0000

Ratings and Alerts

No rating or validation information has been found for USC-SIPI Image Database.

No alerts have been found for USC-SIPI Image Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Sarra B, et al. (2026) A novel 1D powered Chebyshev quadratic map-based image encryption using dynamic permutation-diffusion. Scientific reports, 16(1).

Huo M, et al. (2025) Enhancing AES image encryption with a three-dimensional hyperchaotic system for increased security and efficiency. PloS one, 20(7), e0328297.

Zhiqiang H, et al. (2025) Design and analysis of a secure image encryption algorithm using proposed non-linear RN chaotic system and ECC/HKDF key derivation with authentication support. Scientific reports, 15(1), 39951.

Nithya C, et al. (2025) Secure gray image sharing framework with adaptive key generation using image digest. Scientific reports, 15(1), 8854.

Sajjad M, et al. (2025) A novel color images security-based on SPN over the residue classes of quaternion integers [Formula: see text]. Scientific reports, 16(1), 37.

Sajjad M, et al. (2025) RGB image encryption using SPN with a novel block cipher over simple graph adjacency matrices and Galois fields. Scientific reports, 15(1), 37488.

Kumar K, et al. (2025) An image encryption scheme using PRESENT-RC4, chaos and secure key generation. Scientific reports, 15(1), 42775.

Murugesan V, et al. (2025) A custom hash algorithm for hosting secure gray scale image repository in public cloud. Scientific reports, 16(1), 2155.

Lakshmi C, et al. (2025) Reconfigurable security solution based on hopfield neural network for e-healthcare applications. Scientific reports, 15(1), 5628.

Vaidya SP, et al. (2025) A robust fragile watermarking approach for image tampering detection and restoration utilizing hybrid transforms. Scientific reports, 15(1), 17645.

Mehmood A, et al. (2025) Enhanced lightweight and compromised-resilient image encryption for resource constrained environments. PloS one, 20(3), e0320046.

Alexan W, et al. (2025) A new multiple image encryption algorithm using hyperchaotic systems, SVD, and modified RC5. Scientific reports, 15(1), 9775.

Sun S, et al. (2025) A color image encryption scheme utilizing a logistic-sine chaotic map and cellular automata. Scientific reports, 15(1), 21603.

Srinivas MBR, et al. (2025) Optimized NCFET-based approximate multiplier for energy-aware image applications. Scientific reports, 15(1), 34532.

Nyfantis P, et al. (2024) Variable Splitting and Fusing for Image Phase Retrieval. Journal of imaging, 10(10).

Li R, et al. (2024) An encryption algorithm for color images based on an improved dual-chaotic system combined with DNA encoding. Scientific reports, 14(1), 20733.

Dong Y, et al. (2024) An adaptive robust watermarking scheme based on chaotic mapping. Scientific reports, 14(1), 24735.

Luis M, et al. (2023) A new multimedia cryptosystem using chaos, quaternion theory and modular arithmetic. Multimedia tools and applications, 1.

Panchikkil S, et al. (2023) A prediction error based reversible data hiding scheme in encrypted image using block marking and cover image pre-processing. Multimedia tools and applications, 1.

Aljahdali AO, et al. (2023) Double layer steganography technique using DNA sequences and images. PeerJ. Computer science, 9, e1379.