



ImaChek

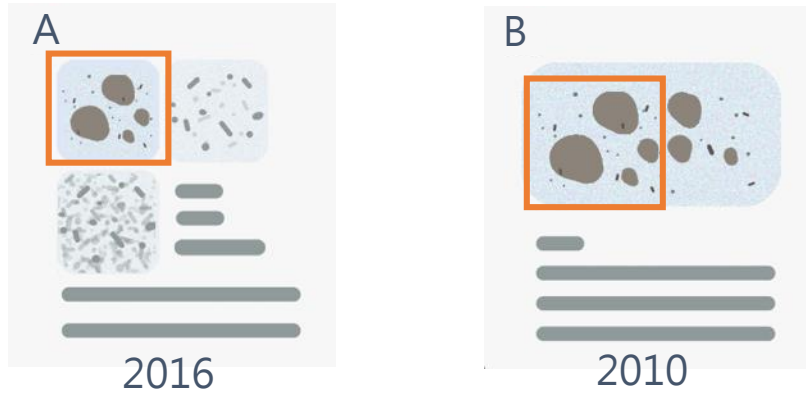
圖像原創性檢測工具

檢測案例介紹

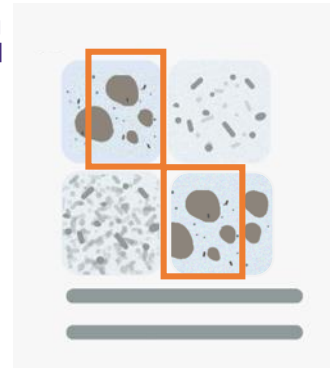
常見圖像倫理問題

重覆

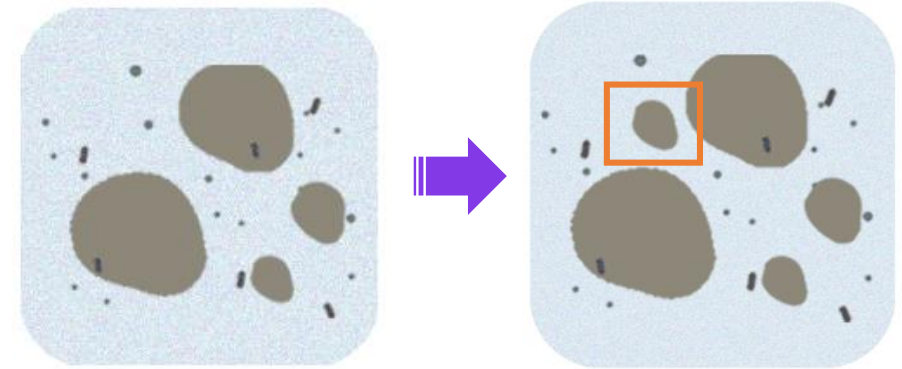
- 不同來源的相同圖片



- 同一篇文章的相同圖片



竄改



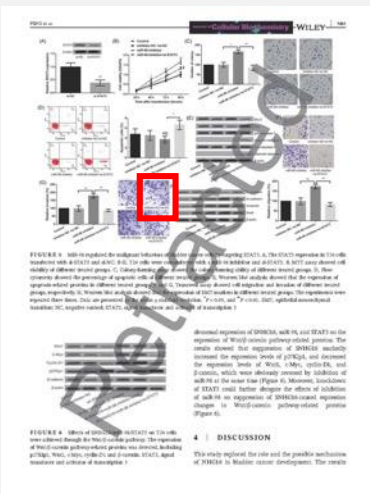
自動檢測類別

	Category	Description
Whole / Partial	Contrast/Brightness	Same image with modifications to brightness/contrast
	Filters	Application of filters (e.g., Gaussian blur)
	Flips	Same image flipped horizontally/vertically
	Rotations	Same image that has been rotated 90 or 270 degrees
	Scale	same image that has been scaled in size
	Simple	Same image
	Stretches	Same image with alterations to the aspect ratio

ImaChek 案例 I

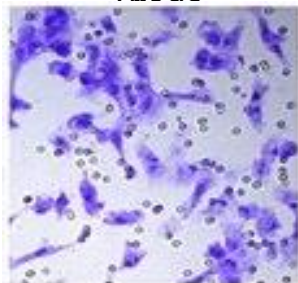
不同文章相同圖片-90度旋轉

Original Image



Publication:
2018

Processed Image



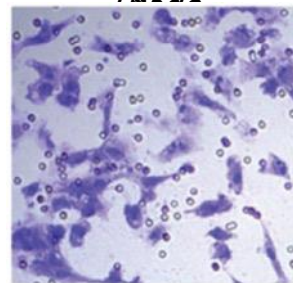
Resolution: 142
* 143

中相似度

實驗室

Color: 89%
Fingerprint: 50%
Features: 283

Processed Image

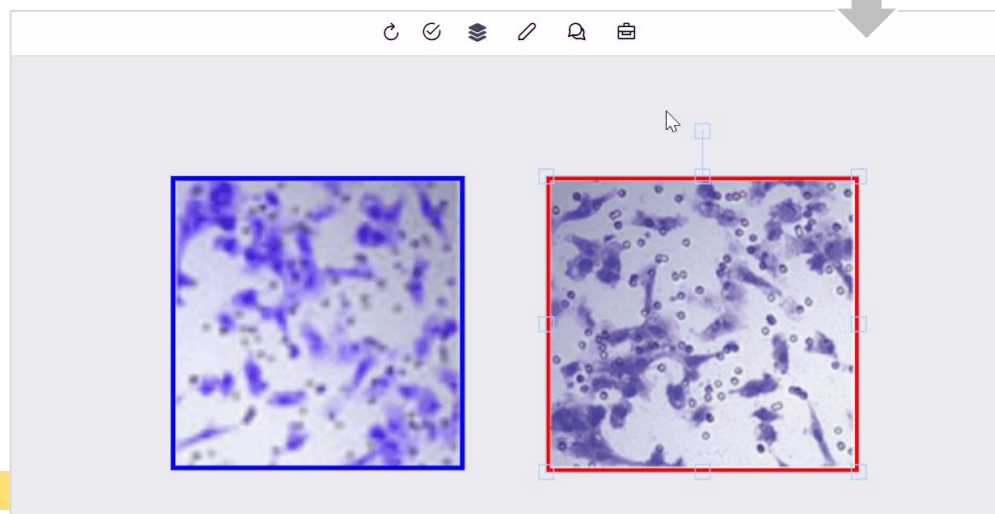


Resolution: 187
* 176

Original Image



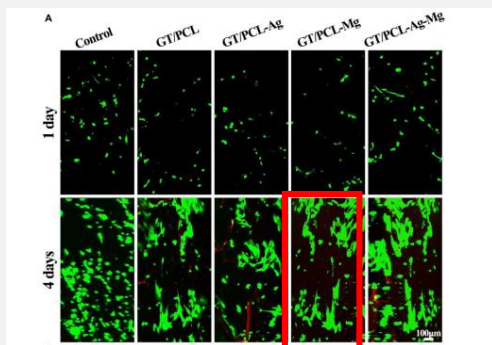
Publication:
2019



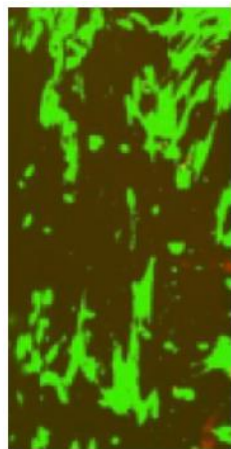
ImaChek 案例 II

相同文章重覆圖片-水平翻轉

Original Image



Processed Image



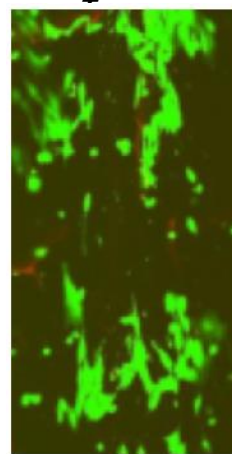
Resolution: 77 * 152

低相似度

本次上傳

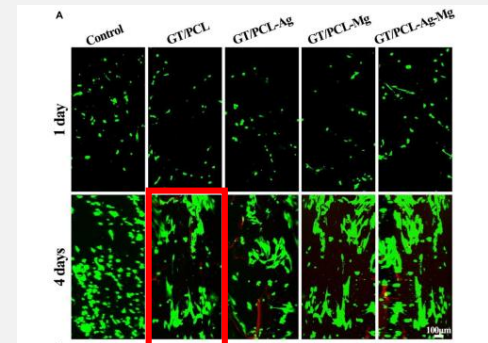
Color: 99%
Fingerprint: 73%
Features: 23

Processed



Resolution: 77 * 152

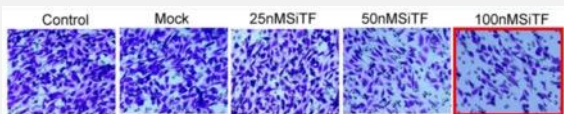
Original Image



ImaChek 案例 III

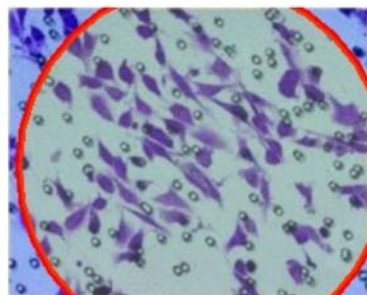
不同文章相同圖片-擷取不同大小

Original Image



Publication: 2011

Processed Image



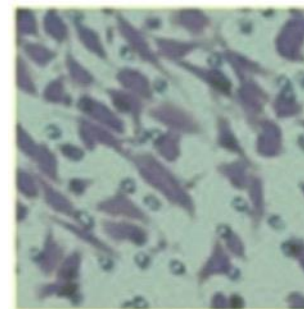
Resolution: 344 * 277

高相似度

本次上傳

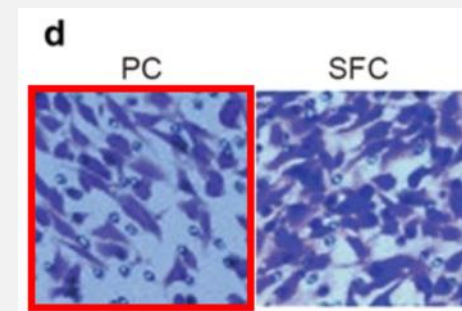
Color: 85%
Fingerprint: 51%
Features: 648

Processed

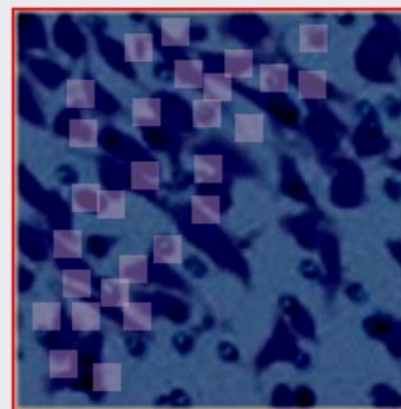
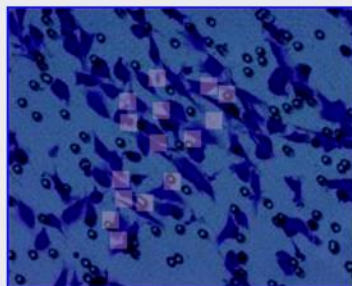


Resolution: 305 * 305

Original Image



Publication: 2016



ImaChek 案例 IV

相同文章相同圖片-擷取不同位置

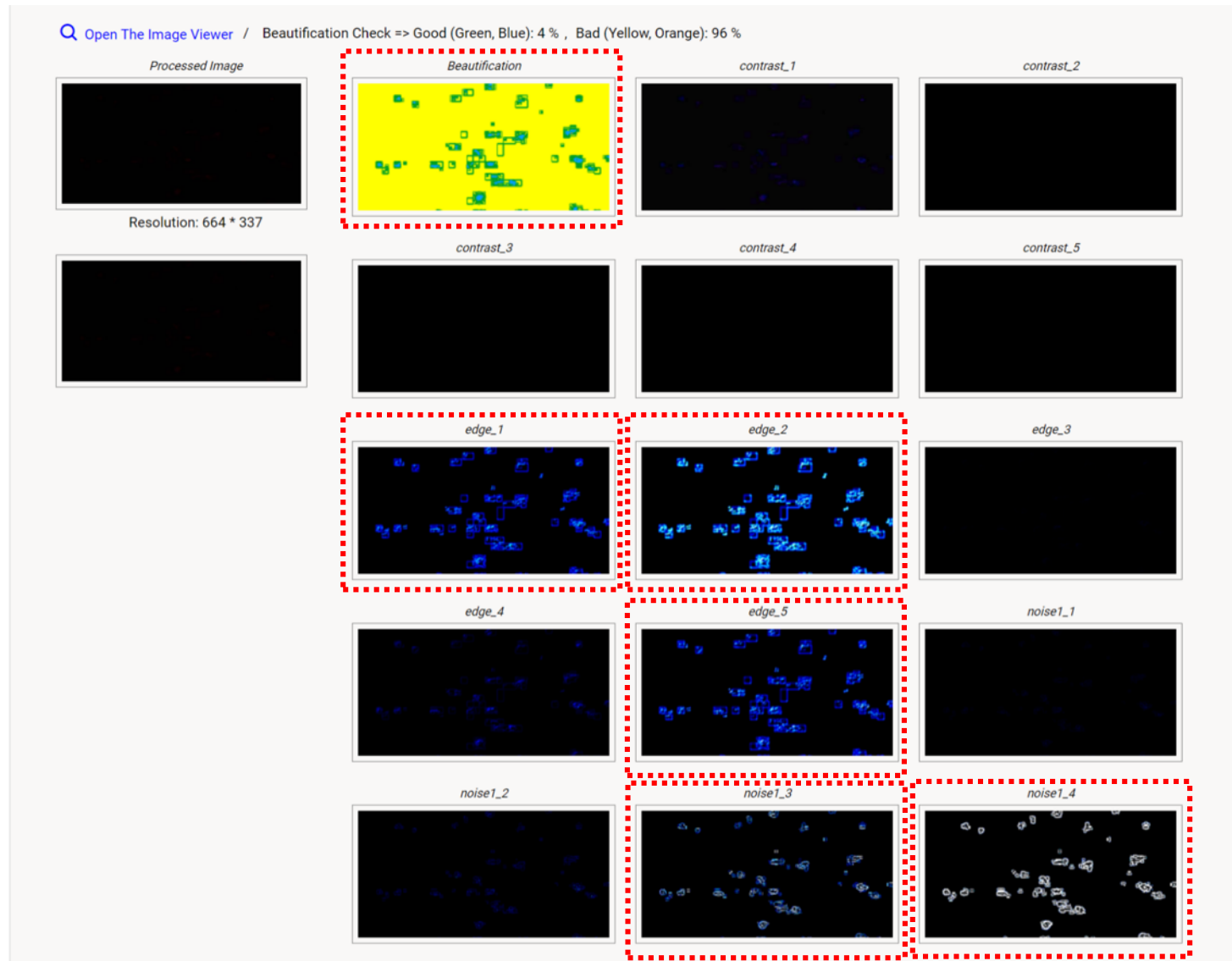


ImaChek 案例 V

圖像竄改

提供21種濾鏡模式

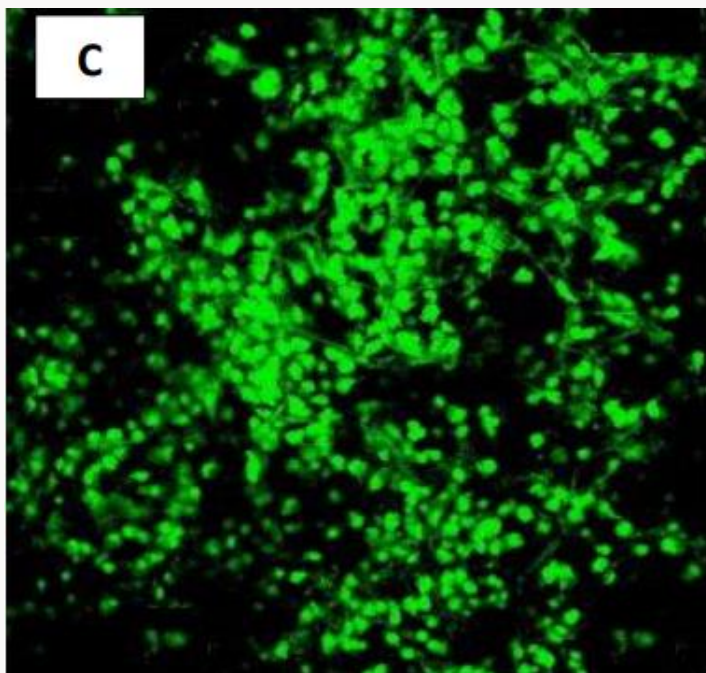
顯現竄改痕跡



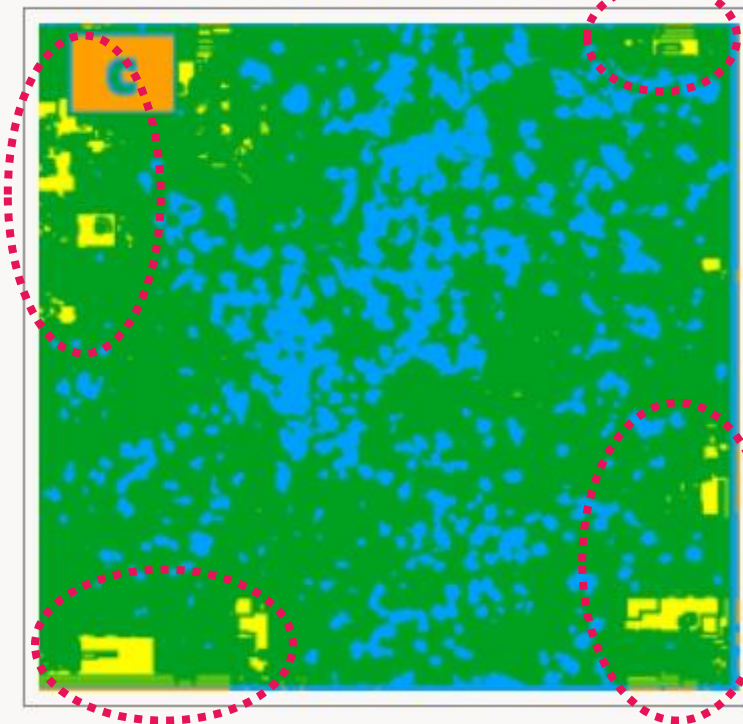
ImaChek 案例 VI

圖像竄改痕跡

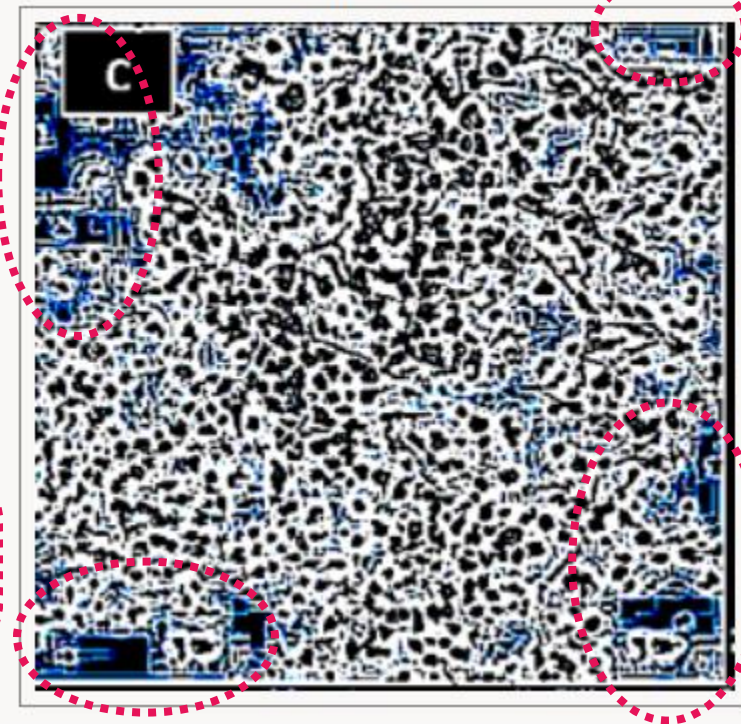
Original Image



Beautification



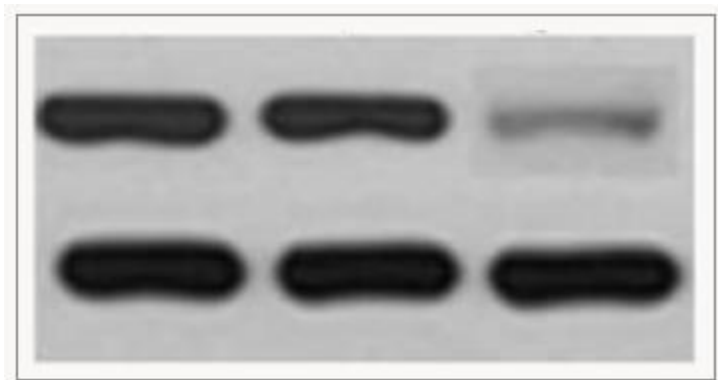
noise1_3



ImaChek 案例 VII

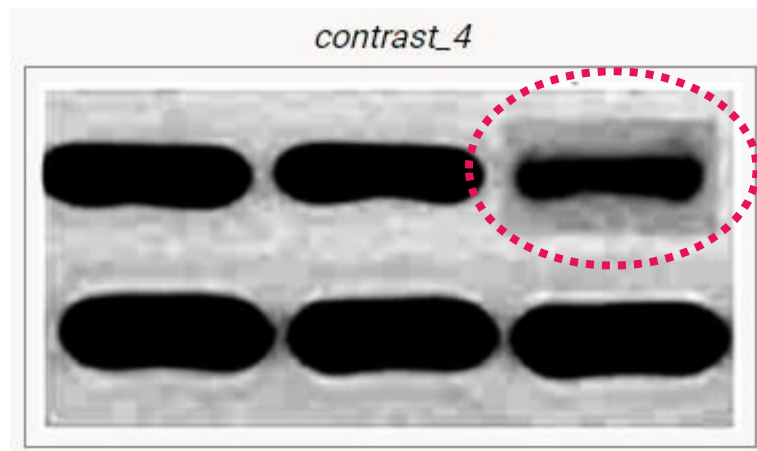
圖像竄改痕跡

Processed Image



Resolution: 510 * 256

contrast_4



檔案要求及使用環境

不適用	項目
作業系統	Windows 7以下版本 Mac® 10.5以下版本
瀏覽器	IE 11 以下版本 Safari 5.0 以下版本



File Format	png, tiff, jpg, jpeg, zip, pdf
File Size	The size of each image must be > 2 KB
Figure Resolution	<ul style="list-style-type: none">▪ For color figures: 300 dpi.▪ For black and white figures: 500 dpi▪ Each image of an electrophoresis band must exceed 100*100 pixels

Thank you

如有使用問題，歡迎來信 / 來電洽詢

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客服電話：02-2571-3369

服務時間：Mon.- Fri. 09:00-18:00