p. 1293-1317.

[8] Chen, T.-H., P.-H. Wu, and Y.-C. Chiou. An early fire-detection method based on image processing. in 2004 International Conference on Image Processing, 2004. ICIP'04. 2004. IEEE.

[9] Marbach, G., M. Loepfe, and T. Brupbacher, An image processing technique for fire detection in video images. Fire safety journal, 2006. 41(4): p. 285-289.

[10] Töreyin, B.U., et al., Computer vision based method for real-time fire and flame detection. Pattern recognition letters, 2006. 27(1): p. 49-58.

[11] Han, D. and B. Lee. Development of early tunnel fire detection algorithm using the image processing. in International Symposium

[28] Dimitropoulos, K., P. Barmpoutis, and N. Grammalidis, Spatio-temporal flame modeling and dynamic texture analysis for automatic video-based fire detection. IEEE transactions on circuits and systems for video technology, 2014. 25(2): p. 339-351.

[29] Muhammad, K., J. Ahmad, and S.W. Baik, Early fire detection using convolutional neural networks during surveillance for effective disaster management. Neurocomputing, 2018. 288: p. 30-42.

[30] Fan, Z., et al., Dim infrared image enhancement based on convolutional neural network. Neurocomputing, 2018. 272: p. 396-404.

[31] Zhang, H.-j., N. Zhang, and N.-f. Xiao, Fire detection and identification method based on visual attention mechanism. Optik,