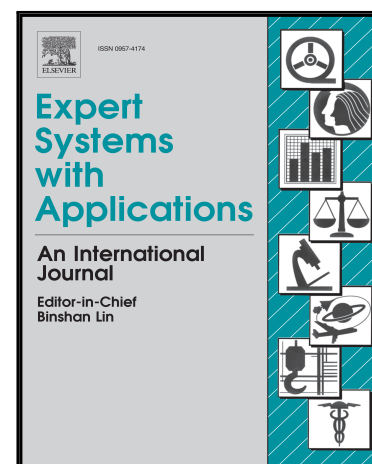


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Convolutional neural network and texture descriptor-based automatic detection and diagnosis of Glaucoma

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Highlights

- We propose an automatic method for the detection and diagnosis of glaucoma
- Convolutional Neural Network is used for Optical Disc segmentation
- Texture descriptors based on phylogenetic analysis are used to characterize the ROIs
- Three image databases are used to train and test the proposed method
- The results are promising, reaching 100% on all metrics in the red channel analysis

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