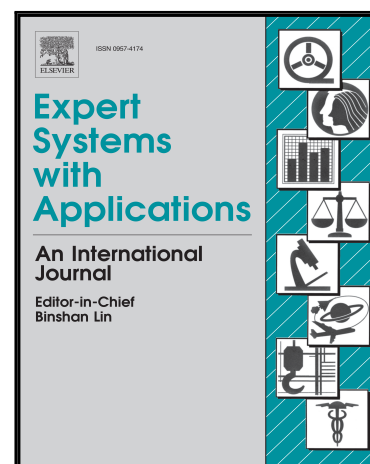


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Medical Image Analysis using Wavelet Transform and Deep Belief Networks

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**Highlights**

- Propose a robust DBN-based classification model for X-ray images.
- The wavelet transforms improves the deep classification performance.
- The Kolmogorov Smirnov test is applied to find the most discriminative features.
- An appropriately designed DBN selects features resulting in a fast classification.

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