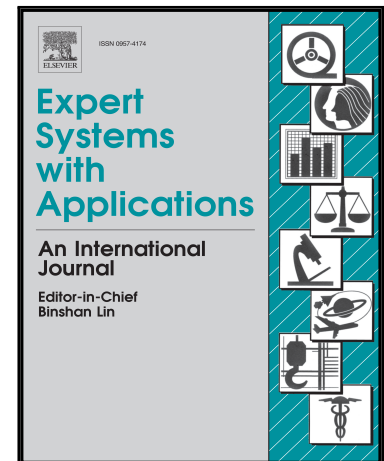


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An efficient brain tumor segmentation based on cellular automata and improved tumor-cut algorithm

Chaiyanan Sompong , Sartra Wongthanavas

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Highlight

- The novel gray-level co-occurrence matrix based cellular automata (GLCM-CA) for image transformation was proposed;
- We proposed Improved Tumor-Cut algorithm (ITC) to achieve the higher performance;
- State-of-the-art ITC and GLCM-CA were used for segmentation and evaluation;
- Dice quantitative evaluation metric was implemented on BRaTS2013 training and testing datasets.

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