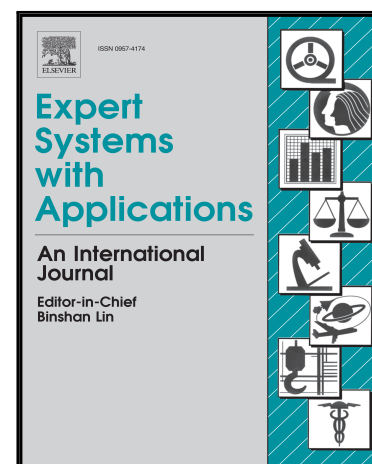


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Scent Classification by K Nearest Neighbors using Ion-Mobility Spectrometry Measurements

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Highlights

- K Nearest Neighbor classifies scents and their chemical components
- Scents/ chemicals are classified using only ion-mobility spectrometry measurements
- Classification using k-dimensional tree search is approximately 8-times faster
- By principal component analysis 71-86% of features are ignored for classification

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