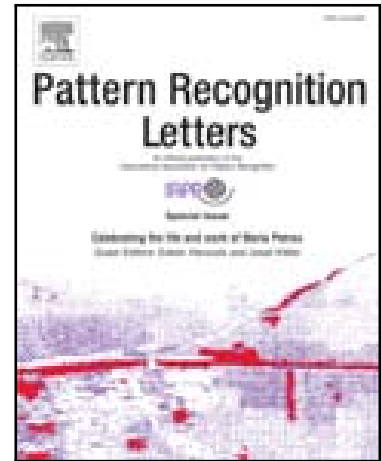


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Unsupervised rumor detection based on users' behaviors using neural networks

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Highlights

- We propose comment based features to exploit crowd wisdom to help detect rumors.
- We use Recurrent Neural Networks to study the evolution of these features with time.
- We view rumor detection as an anomaly detection task.
- We adopt Autoencoder to detect rumors and achieve a good F1 measure of 89.16%.
- Our model is unsupervised and thus does not need labeled data.

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