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Feature selection considering the composition of feature relevancy

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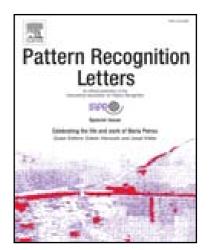
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Highlights

- A novel feature selection method based on information theory is proposed.
- The composition of feature relevancy is taken into account.
- Our method maximizes new information while minimizing redundancy information.
- Our method outperforms five competing methods in terms of average accuracy.
- The proposed method achieves the highest accuracy.

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