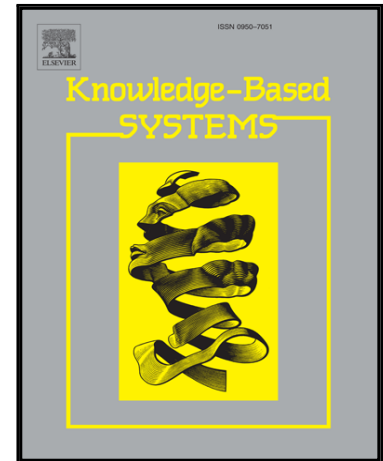


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Robust semi-supervised extreme learning machine

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Highlights

- A novel robust semi-supervised classification algorithm named RSS-ELM is proposed.
- To effectively exploit the geometric information embedded in unlabeled data via the manifold regularization term.
- To have a good ability to reduce the negative influence of outliers by exploiting the non-convex loss function.
- To demonstrate the robustness of RSS-ELM in theory from the perspective of reweighted.
- To be efficiently solved by the well known CCCP method.
- To achieve a fast convergence rate.
- Validity is investigated by comparing it with several related algorithms on multiple image datasets and UCI datasets.

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