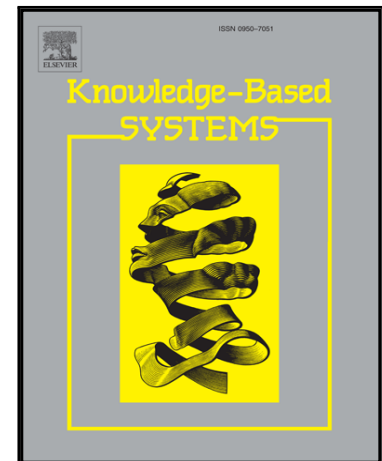


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Adaptive affinity propagation method based on improved cuckoo search

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Highlights

- The proposed CAAP method can improve the clustering performances of AP and adaptive AP methods.
- The parameter “preference” of AP can be adapted by the silhouette index.
- In CAAP, the damping factor can be adjusted to eliminate the oscillation of AP.
- An improved CS algorithm that has strong ability to explore global minima is proposed.
- A coefficient about evolutionary ratio to modify the step length and discovery probability of CS

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