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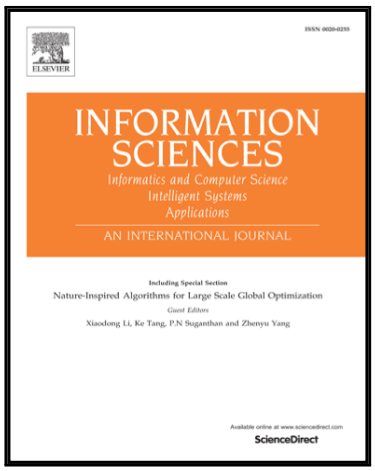

TIIREC: A Tensor Approach for Tag-Driven Item Recommendation with Sparse User Generated Content

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Highlights

- Consider the item-based collaborative information to sufficiently alleviate the sparsity problem caused by items' lack of content features;
- Proposing to apply BPR instead of WARP on optimizing the parameters to increase the training speed and simultaneously preserve almost the same performance;
- The experimental results demonstrate efficiency of TIIREC when dealing with a dataset containing a massive amount of items with sparse information.

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