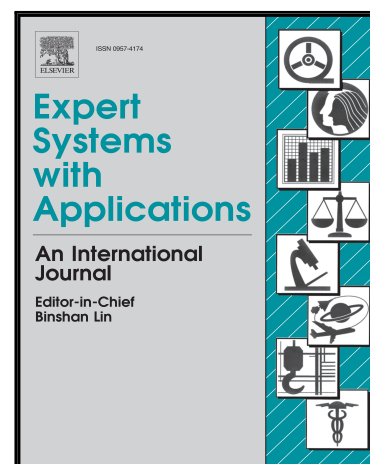


Accepted Manuscript

Computational drug repositioning using collaborative filtering via multi-source fusion

Jia Zhang, Candong Li, Yaojin Lin, Youwei Shao, Shaozi Li

PII: S0957-4174(17)30320-2
DOI: [10.1016/j.eswa.2017.05.004](https://doi.org/10.1016/j.eswa.2017.05.004)
Reference: ESWA 11296



To appear in: *Expert Systems With Applications*

Received date: 26 January 2017
Revised date: 12 April 2017
Accepted date: 3 May 2017

Please cite this article as: Jia Zhang, Candong Li, Yaojin Lin, Youwei Shao, Shaozi Li, Computational drug repositioning using collaborative filtering via multi-source fusion, *Expert Systems With Applications* (2017), doi: [10.1016/j.eswa.2017.05.004](https://doi.org/10.1016/j.eswa.2017.05.004)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Our method lays the foundation for heterogeneous data fusion with less time.
- An optimization objective function and a linear fusion method are proposed.
- Collaborative filtering is applied to generating prediction.
- The performance of the proposed method has a significant improvement.
- The proposed method is proved to be effective in drug repositioning.

Download English Version:

<https://daneshyari.com/en/article/4943126>

Download Persian Version:

<https://daneshyari.com/article/4943126>

[Daneshyari.com](https://daneshyari.com)