

Accepted Manuscript

Identifying key nodes based on improved structural holes in complex networks

Hui Yu, Xi Cao, Zun Liu, Yongjun Li

PII: S0378-4371(17)30546-0

DOI: <http://dx.doi.org/10.1016/j.physa.2017.05.028>

Reference: PHYSA 18314

To appear in: *Physica A*

Received date: 5 February 2017

Revised date: 23 May 2017

Please cite this article as: H. Yu, et al., Identifying key nodes based on improved structural holes in complex networks, *Physica A* (2017), <http://dx.doi.org/10.1016/j.physa.2017.05.028>

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

1. An Improved Structural Holes method to identify key nodes in complex networks.
2. Evaluating the performance by top-k nodes as initial infected seeds in SIR model.
3. ISH can quantify the node difference and find some bridging nodes.
4. ISH can be applied in large-scale and unconnected networks

Download English Version:

<https://daneshyari.com/en/article/5102639>

Download Persian Version:

<https://daneshyari.com/article/5102639>

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