

Accepted Manuscript

Global synchronization in nonlinearly coupled delayed memristor-based neural networks with excitatory and inhibitory connections

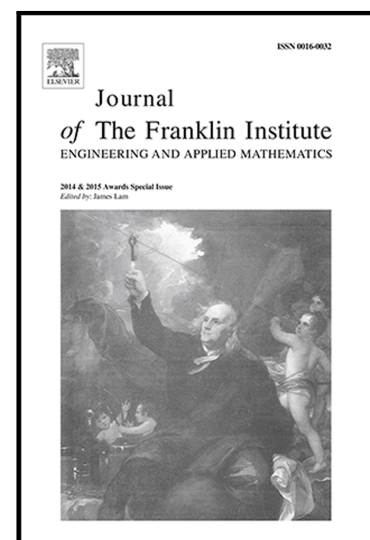
Jui-Pin Tseng

PII: S0016-0032(18)30441-1
DOI: [10.1016/j.jfranklin.2018.06.026](https://doi.org/10.1016/j.jfranklin.2018.06.026)
Reference: FI 3527

To appear in: *Journal of the Franklin Institute*

Received date: 26 August 2017
Revised date: 4 May 2018
Accepted date: 16 June 2018

Please cite this article as: Jui-Pin Tseng, Global synchronization in nonlinearly coupled delayed memristor-based neural networks with excitatory and inhibitory connections, *Journal of the Franklin Institute* (2018), doi: [10.1016/j.jfranklin.2018.06.026](https://doi.org/10.1016/j.jfranklin.2018.06.026)



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

- New theory on synchronization of nonlinearly coupled memristor-based neural networks with delays.
- The model can have both internal delay and transmission delay.
- The coupling function comprises a nonlinear term and a sign term.
- The coupling scheme allows the coexistence of excitatory and inhibitory connections.

Download English Version:

<https://daneshyari.com/en/article/8953964>

Download Persian Version:

<https://daneshyari.com/article/8953964>

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