

Accepted Manuscript

A family of robust adaptive filtering algorithms based on sigmoid cost

Fuyi Huang , Jiashu Zhang , Sheng Zhang

PII: S0165-1684(18)30111-7
DOI: [10.1016/j.sigpro.2018.03.013](https://doi.org/10.1016/j.sigpro.2018.03.013)
Reference: SIGPRO 6771

To appear in: *Signal Processing*

Received date: 21 June 2017
Revised date: 7 March 2018
Accepted date: 19 March 2018



Please cite this article as: Fuyi Huang , Jiashu Zhang , Sheng Zhang , A family of robust adaptive filtering algorithms based on sigmoid cost, *Signal Processing* (2018), doi: [10.1016/j.sigpro.2018.03.013](https://doi.org/10.1016/j.sigpro.2018.03.013)

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

- A family of sigmoid-based robust adaptive filtering algorithms is proposed in this paper.
- The steady-state EMSEs of the proposed sigmoid-based algorithms are smaller than those of the corresponding conventional algorithms.
- The step-size bounds for the proposed sigmoid-based algorithms are 4 times larger than those obtained for the corresponding conventional algorithms.

Download English Version:

<https://daneshyari.com/en/article/6957519>

Download Persian Version:

<https://daneshyari.com/article/6957519>

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