Accepted Manuscript

Title: Towards fine-grained maize tassel flowering status recognition: dataset, theory and practice

Author: Hao Lu Zhiguo Cao Yang Xiao Zhiwen Fang Yanjun

Zhu

PII: S1568-4946(17)30104-7

DOI: http://dx.doi.org/doi:10.1016/j.asoc.2017.02.026

Reference: ASOC 4075

To appear in: Applied Soft Computing

Received date: 20-5-2015 Revised date: 21-10-2016 Accepted date: 22-2-2017

Please cite this article as: Hao Lu, Zhiguo Cao, Yang Xiao, Zhiwen Fang, Yanjun Zhu, Towards fine-grained maize tassel flowering status recognition: dataset, theory and practice, <![CDATA[Applied Soft Computing Journal]]> (2017), http://dx.doi.org/10.1016/j.asoc.2017.02.026

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.



ACCEPTED MANUSCRIPT

- We first address the problem of flowering status recognition with computer vision.
- Densely sampled SIFT and Fisher Vector are employed for feature representation.
- An effective metric learning method is proposed to leverage the performance.
- A maize tassel flowering status dataset of 3000 images is established.

Download English Version:

https://daneshyari.com/en/article/4963252

Download Persian Version:

https://daneshyari.com/article/4963252

Daneshyari.com