

International Journal of Precision Agricultural Aviation (IJPAA)

Open Access at <https://www.ijpaa.org>

Table of Contents

Volume 3, Number 3, September, 2020

Overview Articles (OA)

Sensing technologies for detection of non-point source pollutants in rice paddy fields

..... Yali Zhang, Yuan Qi, Linlin Wang, Kangting Yan, Ruichang Jia (1)

Research Articles (RA)

Identification of muskmelon seed variety using liquid crystal tunable filter based on hyperspectral imaging technology combined with machine learning

..... Kunlan Luo, Wenchao Ye, Yuhao Diao, Jing Zhao, Wanjun Chen, Houcheng, Liu, Yongbing Long (14)

Determination of in-situ salinized soil moisture content from visible-near infrared (VIS–NIR) spectroscopy by fractional order derivative and spectral variable selection algorithms

Congcong Lao, Zhitao Zhang, Junying Chen, Haorui Chen, Zhihua Yao, Zheng Xing,

..... Xiang Tai, Jifeng Ning, Yinwen Chen (21)

Farmland human-shape obstacles identification based on Viola-Jones Algorithm

..... Linlin Wang, Wenwei Xiao, Yuan Qi, Qichao Gao, Lin Li, Kangting Yan, Yali Zhang, Yubin Lan (35)

Effect of temperature and humidity on droplet deposition of unmanned agricultural aircraft system

..... Haixia Qi, Zhenxin Lin, Jingkang Zhou, Jianwen Li, Penchao Chen, Fan Ouyang (41)

Monitoring of water stress in peanut using multispectral indices derived from canopy hyperspectral

..... Tingting Chen, Leidi Wang, Haixia Qi, Xinyue Wang, Ruier Zeng, Bingyu Zhu, Yubin Lan, Lei Zhang (50)

BAS-ELM based UAV hyperspectral remote sensing inversion modeling of rice canopy nitrogen content

..... Fenghua Yu, Shuai Feng, Weixiang Yao, Dingkang Wang, Simin Xing, Tongyu Xu (59)

Adaptive target spray system based on machine vision for plant protection UAV

..... Jinbao Hong, Yubin Lan, Xuejun Yue, Zhenzhao Cen, Linhui Wang, Wen Peng, Yang Lu (65)

Analysis of cotton height spatial variability based on UAV-LiDAR

..... Kuan Liu, Xiaoya Dong, Baijing Qiu (72)

Information

Editorial Team and Board of International Journal of Precision Agricultural Aviation..... (Inside Covers)

Table of Contents..... (Front Insert I)

2020 IJPAA Author Guide..... (Inside Back Cover)