International Journal of Agricultural and Biological Engineering (IJABE)

Open Access at http://www.ijabe.org

Table of Contents

Volume 7, Number 3, June, 2014

Power & Machinery System (PMS)

Simulation analysis and match experiment on negative and positive pressures of pneumatic precision metering device for
rapeseed ······Yu Jiajia, Liao Yitao, Cong Jinling, Yang Song, Liao Qingxi (1)
Design and experimental study of the control system for precision seed-metering device
Zhai Jianbo, Xia Junfang, Zhou Yong, Zhang Shun (13)
Land & Water Engineering (LWE)
Optimized selection of suitable sites for farmland consolidation projects using multi-objective genetic algorithms
Wang Lu, Huang Ningsheng, Kuang Yaoqiu, Zhou Jinhao, Zhao Yuan, Zhang Zhen, Hu Yueming (19)
Crop water stress index for off-season greenhouse green peppers in Liaoning, ChinaLi Bo, Wang Tieliang, Sun Jian (28)
Information & Electrical Technologies (IET)
Wavelet-based threshold denoising for imaging hyperspectral data
Identification of diseases for soybean seeds by computer vision applying BP neural network
Tan Kezhu, Chai Yuhua, Song Weixian, Cao Xiaoda (43)
GIS-based evaluation of maize cultivar lodging resistance performance in target growing environments
Mi Chunqiao, Liu Zhe, Zhang Xiaodong, Peng Xiaoning, Huang Bin (51)

Renewable Energy System (RES)

Identifying p	potential field sites for production of cellulosic energy plants in Asia
	Nobuhito Sekiya, Taiichiro Hattori, Fumitaka Shiotsu, Jun Abe, Shigenori Morita (59)
Producing d	urable pellets from barley straw subjected to radio frequency-alkaline and steam explosion pretreatments
	Kingsley L. Iroba1, Lope G. Tabil, Shahab Sokhansanj, Venkatesh Meda (68)
Influence of	methanol additive on bio-oil stability
	Fei Wenting, Liu Ronghou, Zhou Weiqi, Mei Yuanfei, Yin Renzhan (83)
Agro-pro	duct & Food Processing Engineering (AFPE)
Computerize	ed recognition of pineapple grades using physicochemical properties and flicking sounds
	Rong Phoophuangpairoj, Niyomsri Srikun (93)
Optimization	n of fermentation process of papaya sauerkraut using response surface method
	Zhang Lijuan, Yang Jinsong, Ma Liwei, Tan Haisheng (102)
Mechanical	characteristics of Hanfu apple at low temperature
	Zhang Benhua, Guan Shujie, Ning Xiaofeng, Gong Yuanjuan (107)
Cover Ca	ption
China Natio	nal Research Center for Pumps, Jiangsu University (Cover, Inside Front Cover)
Color Ins	ert Pages
igure 1, 2, 3	and 4 from Wang Lu, et al(Color Insert I)
igure 1, 2, 5	and 6 from Rong Phoophuangpairoj, et al(Color Insert II)
nformati	ion
Varm congra	tulations on IJABE's inclusion in Ei Compendex
op 16 most o	cited papers published in IJABE according to Google scholar ····· (115)
JABE is a fa	st-growing peer-review OA journal—Updated Introduction to IJABE (116)
JABE Guide	clines for Authors ····· (118)