

Contents

Volume 167
Issue 3
March 2014

www.sensorsportal.com

ISSN 2306-8515
e-ISSN 1726-5479

Research Articles

Analysis of Process Capability on the Digital Control Board Batch Testing <i>Chun-Jiang Shuai</i>	1
Research on the Performance of Mobile Barricades Based on Fuzzy-AHP Method <i>Yunxia Han</i>	9
Classification of Hand Motions Using RBF Neural Network Based on Extracted Surface Electromyography Signal <i>Firas Al Omari, Guohai Liu, Yuhua Ding</i>	19
Human Action Recognition Based on Boosting <i>Zhu Shao-Ping</i>	23
A Research on Moving Human Body Detection Based on the Depth Images of Kinect <i>Xi'an Zhu, Jiaqi Huo</i>	30
Based on Total Variation Regularization Iterative Blind Image Restoration Algorithm <i>Keyong Shao, Yun Zou, Yuanhong Liu, Cheng Li, Bosi Fu</i>	36
Mining Association Rules from Airport Noise Value Among Multiple Monitoring Points <i>Fei Gu, Tao Xu, Zonglei Lv</i>	43
Research on Compressed and Dynamic Variation Law of Alfalfa Grass Sheet During Baling Process <i>Xiaozhi Zhang, Xuying Li, Wenbiao Kang</i>	50
Application of Singular Value Energy Difference Spectrum in Axis Trace Refinement <i>Wenbin Zhang, Jiaying Zhu, Yasong Pu, Jie Min</i>	55
Transformer Fault Diagnosis Based on Information Fusion Technology <i>Li Ai, Jia-Tang Cheng, Wei Xiong</i>	61
Research of the Space Clustering Method for the Airport Noise Data Minings <i>Jiwen Xie, Tao Xu, Guoqing Yang</i>	68
Difference Correction RSSI Location Algorithm of Double Reference Nodes <i>Jia Song-Hao, Yang Cai</i>	75
Computer-Aided Detection with a Portable Electrocardiographic Recorder and Acceleration Sensors for Monitoring Obstructive Sleep Apnea <i>Ji-Won Baek, Yoon-Nyun Kim, Dong Eun Kim, And Jong-Ha Lee</i>	80
Design of an Electric Commutated Frog-Leg Winding Permanent-Magnet DC Machine <i>Hang Zhang, Yue-Jin Zhang, Chen Li, J. Z. Jiang</i>	88

Non-rigid Registration by Diffusion Model with the Demons Algorithm <i>Shengzhou Xu, Chengdan Pei, Bo Li</i>	97
Robust Shot Boundary Detection from Video Using Dynamic Texture <i>Peng Taille, Zhang Wenjun</i>	104
A New Method for the 2D DOA Estimation of Coherently Distributed Sources <i>Liang Zhou</i>	110
Endocardium and Epicardium Segmentation in MR Images Based on Developed Otsu and Dynamic Programming <i>Shengzhou Xu, Chengdan Pei, Huaifei Hu</i>	117
The Design of Data Transmission Terminal in Remote Warning Control System based on CDMA 1X Network <i>Dan Chen, Hongfen Jiang, Yijun Liu</i>	123
Biomechanics and Utility of Shallow Soil Fixation by Sabina Valgaris Ant. Roots in Arid and Semiarid Soils <i>Xijun Yao, Linhe Wang, Jing Liu, Huiwen Xing</i>	129
Fault Detection of Aircraft Cable via Spread Spectrum Time Domain Reflectometry <i>Xudong Shi, Xiaohui Li, Zhangang Yang, Chengzong Liu, Hongguang Li</i>	135
A Qualitative Comprehensive Assessment Method of System Safety Based on Fuzzy AHP and Fuzzy Transform <i>Yang Heng, Xu Gening, Fan Xiaoning,</i>	142
Resource Allocation Algorithm Based on Bandwidth Demands for OFDMA Systems with Imperfect Channel Quality Information <i>Zhixin Zhao, Min Jia, Qing Guo</i>	151
Mobile HCI Optimization Based on RFID and Wireless Sensor Networks <i>Hongwei Jia</i>	161
Reliable Mobile IP Multicast Based on Hierarchical Local Registration <i>Huanming Zhang, Quanlong Guan, Zi Zhao Zhu, Weiqi Luo</i>	170
Remote Sensing Image Fusion Based on Enhancement of Edge Feature Information <i>Yang Song</i>	175
Experimental Study on the Rupture Process and Hydraulic Pressure Critical Condition about Two Kinds of Typical Raw Coal Sample Loaded by High Pressure Water <i>Kunyun Tian, Deyong Guo, Ruilin Zhang</i>	182
Experimental Research of Batch Co-Anaerobic Fermentation under Constant Temperature of Mixed Biomass <i>Dandan Zhou, Jinping Li, Fengyu Yang, Chunlong Wang</i>	189
A Study of Individual Characteristics of Driving Behavior Based on Hidden Markov Model <i>Xingjian Zhang, Xiaohua Zhao, Jian Rong</i>	194

Authors are encouraged to submit article in MS Word (doc) and Acrobat (pdf) formats
by e-mail: editor@sensorsportal.com. Please visit journal's webpage with preparation instructions:
<http://www.sensorsportal.com/HTML/DIGEST/Submission.htm>