

DIANZI ZHILIANG

(月刊)公开发行 1980 年创刊 2018 年第 03 期(总第 372 期)

旦 次

理论与研究

01 5G 物联网终端模拟平台研究

04 基于马赛克图像的隐秘通信技术研究 贝静静 李辉 李琦

08 基于有偏随机密钥的配电网重构遗传算法 宋媛

通用测试

11 电源类芯片测试修调方法及问题分析 张敏森 余庆 杨勇

15 一种手机振动马达振动量评测方法浅析 丘寿玉

专业测试

19 基于计算机视觉的干无花果自动质量检测的研究 孙运慧 王桃

可靠性分析

23 某机载电子设备中片式厚膜电阻器失效机理分析

刘玮 高东阳 席善斌 石中玉 张魁 黄杰 彭浩

更多》

产品设计与开发

26 新型切换开关系统设计 田雪丰 夏洪 孙芸

31 基于 AD7606 的同步多通道语音采集系统设计 王森

34 基于纺织材料的可穿戴双频天线的设计 杨虹 杜晓阳 叶青松

测评与应用

38 基于自适应机制的医学超声图像分割方法 王桃 孙运慧

41 基于图像处理的电能表数字识别方法

李明 丁琦 江洋 彭筱筱 傅时胜

绿色质量与管理

46 浅谈高职电子信息工程专业《单片机应用技术》课程综合实训

的实施

50 建设大体系,关注小细节,撕掉质量管理的 " 两张皮 " 金春玲

更多》

行业视点

马列

53 TUV 南德为上海瑞尔实业颁发 ISO 50001 能源管理体系证书

53 康普携手诺基亚开发大规模 MIMO 集成天线

53 凌华科技宣布支持 SGeT 通用物联网连接器(UIC)规范

多国认证

55 基于流程的大型实验室高效管理方法探索 李老

李云 静广宇

实验室特写

60 基于 LABVIEW 的煤岩声发射定位软件设计

孙琼琼 邱健 李荣飞

63 基于 YCbCr 色彩空间和 AdaBoost 算法的人脸检测

李昭文 程学珍

姜黎

电磁兼容

69 高速数模电路多时钟系统 EMC 设计

73 W 波段接收前端电路设计 邱顺林 王明超 刘朝阳

76 C波段低噪声放大器设计 杨虹 程杼邦 叶青松

80 基于 FFT 信标机信号检测电路设计与实现 李霞 孙涛

Q博士案例

86 典型的质量管理体系审核的主要活动不包括()。

86 计量特点中,()是指测量结果是可重复、可再现、可比较的。

86 企业标准化工作应符合的具体要求有()。

Electronic Quality

Founded 1980

NO.03(Serial No.372),2018 (March)



Test & Measurement Technology

Theory and Research

01 - Research on UE Simulation Platform of 5G IoT

Ma Lie

04 - A Survey of Covert Communication Technology Based on Mosaic Image

Bei Jing-jing Li Hui Li Qi

08 - Genetic Algorithm for Distribution Network Reconfiguration Based on Biased Random Key

Song Yuan

General Test

11 - Power Class Chip Trimming Problem of Parametric Testing

Zhang Min-sen Yu Qing Yang Yong

15 – A Brief Analysis of the Vibration Magnitude Evaluating Method of Mobile
Phone Vibration Motor

Qiu Shou-yu

Professional Test

19 - Computer Vision for Automatic Quality Inspection of Dried Figs

Sun Yun-hui Wang Tao

Reliability Analysis

23 – Failure Mechanism Analysis of Chip Thick Film Resistor for an Airborne Electronic Equipment

Liu Wei Gao Dong-yang Xi Shan-bin Shi Zhong-yu Zhang Kui Huang Jie Peng Hao

more>>

Observation of Green Quality /////////

Product Design and Development

26 - Design of a New Switch System Tian Xue-feng Xia Hong Sun Yun

31 – Design of Synchronous Multi Channel Speech Acquisition System Based on AD7606 Wang Sen

34 - Ultra Wideband Band Pass Filter with Double Notched Bands

Yang Hong Du Xiao-yang Ye Qing-song

Assessment and Application

 $38-{\sf Medical\,Ultrasound\,Image\,Segmentation\,Based\,on\,Adaptive\,\,Mechanism}$

Wang Tao Sun Yun-hui

41 - Digital Recognition Method for Electricity Meter Based on Image Processing

Li Ming Ding Qi Jiang Yang Peng Xiao-xiao Fu Shi-sheng

Green Quality & Management

46 – Talking about the Implementation of Comprehensive Practical Training of
"Microcomputer Applied Technology" Course of Electronic Information Engineering Specialty in Higher Vocational Education Zhang Lian
50 – Building a Large System, Paying Attention to Small Details, Killing two Skins of Quality Management Jin Chun-ling

Industry Perspective

53 - Tü V Sü D presented the ISO 50001 Energy Management System Certificate to Shanghai Ruier Industrial Co., Ltd.

 $53-CommScope\ cooperated\ with\ Nokia\ to\ develop\ large-scale\ MIMO\ combination\ antenna$

53 - Adlink Technology announced its support for SGeT Universal Internet-of-Things Connector (UIC) Regulation

more>>

Multi-country Certification

55 – Based on the Process of Large–Scale Laboratory Explore Efficient Management Method

Li Yun Jing Guang-yu

Featured Lab

60 – Software Design for Coal–Rock Acoustic Emission Positioning Based on LabVIEW

Sun Qiong–qiong Qiu Jian Li Rong–fei
63 – Face Detection Based on YCbCr Color Space and AdaBoost Algorithm

Li Zhao–wen Cheng Xue–zhen

EMC

69 - The EMC Design of High-Speed Mixed-Signal Circuit in the Multi-Clock System Jiang Li

73 - The Design of W-band Receiving Front-end Circuit

Qiu Shun-lin Wang Ming-chao Liu Zhao-yang

76 - Design of C Band Low Noise Amplifier

Yang Hong Cheng Zhu-bang Ye Qing-song

80 – Design and Implementation of Beacon Signal Detection Circuit Based on FFT Algorithm $${\rm Li}\,{\rm Xia}\,{\rm Sun}\,{\rm Tao}$$

Cases from Quality Doctor

86 - Main activities of typical quality management system audit exclude ().

86 – For the measurement features, () refers to the measured result is repeatable, reproduced and comparable.

 $86-The\ specific\ requirements\ for\ enterprise\ standardization\ work\ include\ (\quad \).$